

Set	Items	Description
S1	13	AU=(MAMDANI, M? OR MAMDANI M? OR MALIK(2N)MAMDANI) OR BY=(- MALIK(2N)MAMDANI)
S2	138	AU=(GRANT, C? OR GRANT C? OR CURTIS(2N)GRANT) OR BY=(CURTI-S(2N)GRANT)
S3	1312	AU=(JOHNSON, P? OR JOHNSON P? OR PATRICK(2N)JOHNSON) OR BY-=(PATRICK(2N)JOHNSON)
S4	16	AU=(BOMAR K? OR BOMAR K? OR KEVIN(2N)BOMAR) OR BY=(KEVIN(2-N)BOMAR)
S5	20	AU=(WHATLEY, T? OR WHATLEY T? OR TIM(2N)WHATLEY) OR BY=(TI-M(2N)WHATLEY)
S6	13	S1 AND S2 AND S3 AND S4 AND S5
S7	6	S6 AND IC=G06F?

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200632  
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File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec (Updated 060404)  
(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200620  
(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060518,UT=20060511  
(c) 2006 WIPO/Univentio

*all by  
your  
inventors*

7/5/1 (Item 1 from file: 350)  
 DIALOG(R) File 350:Derwent WPIX  
 (c) 2006 Thomson Derwent. All rts. reserv.

015179506 \*\*Image available\*\*  
 WPI Acc No: 2003-240036/200323  
 Related WPI Acc No: 2002-155055; 2002-339190; 2002-339195  
 XRPX Acc No: N03-191200

**Mixed-mode interaction e.g. for wireless devices such as mobile phones,  
 includes using a Wireless Markup Language to deliver the non-verbal  
 response**

Patent Assignee: IMPULSITY INC (IMPU-N); GTECH GLOBAL SERVICE LTD (GTEC-N);  
 GTECH GLOBAL SERVICES CORP LTD (GTEC-N); AERITAS INC (AERI-N)

Inventor: BOMAR K ; GRANT C ; JOHNSON P ; MAMDANI M ; WHATLEY T

Number of Countries: 094 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200319905	A1	20030306	WO 2000US31382	A	20001115	200323 B
EP 1308018	A1	20030507	EP 2000982125	A	20001115	200332
			WO 2000US31382	A	20001115	
AU 200119195	A	20030310	AU 200119195	A	20001115	200346
CZ 200300431	A3	20030917	WO 2000US31382	A	20001115	200364
			CZ 2003431	A	20001115	
KR 2003045774	A	20030611	KR 2003700516	A	20030113	200370
SK 200300180	A3	20031201	WO 2000US31382	A	20001115	200404
			SK 2003180	A	20001115	
HU 200302883	A2	20031229	WO 2000US31382	A	20001115	200413
			HU 20032883	A	20001115	
BR 200017262	A	20040210	BR 200017262	A	20001115	200414
			WO 2000US31382	A	20001115	
AU 2000280401	A1	20030310	AU 2000280401	A	20001115	200452
CN 1496645	A	20040512	CN 2000819886	A	20001115	200452
MX 2003000404	A1	20041001	WO 2000US31382	A	20001115	200557
			MX 2003404	A	20030113	
RU 2273106	C2	20060327	WO 2000US31382	A	20001115	200622
			RU 2003104527	A	20001115	
IN 200300153	P1	20050603	WO 2000US31382	A	20001115	200629
			IN 2003DN153	A	20030213	

Priority Applications (No Type Date): US 2000692775 A 20001016; US 2000217997 P 20000713

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200319905	A1	E	40	H04L-029/08	

Designated States (National):	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW		
Designated States (Regional):	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW		
EP 1308018	A1 E	H04L-029/08	Based on patent WO 200319905
Designated States (Regional):	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR		
AU 200119195	A	H04L-029/08	Based on patent WO 200319905
CZ 200300431	A3	H04L-029/08	Based on patent WO 200319905
KR 2003045774	A	H04Q-007/24	
SK 200300180	A3	H04L-029/08	Based on patent WO 200319905
HU 200302883	A2	H04L-029/08	Based on patent WO 200319905
BR 200017262	A	H04L-029/08	Based on patent WO 200319905
AU 2000280401	A1	H04L-029/08	Based on patent WO 200319905
CN 1496645	A	H04L-029/08	

MX 2003000404 A1 G06F-000/00000 Based on patent WO 200319905  
 RU 2273106 C2 H04L-029/08 Based on patent WO 200319905  
 IN 200300153 P1 E H04L-029/08

Abstract (Basic): WO 200319905 A1

NOVELTY - Mobile phone user can make purchases or obtain information via the Internet, using both voice and nonverbal methods. Users can submit voice queries and receive nonverbal replies, submit nonverbal queries and receive voice replies, or perform similar operations that marry the voice and data capabilities of modern mobile communication devices. The user may provide notification criteria indicating under what conditions a notification should be sent to the user's wireless device. When purchasing opportunities matching the selected notification criteria become available, the user is notified.

DETAILED DESCRIPTION - INDEPENDENT CLAIM included for the following:

(a) system

USE - For wireless devices such as mobile phones.

ADVANTAGE - Makes obtaining information or purchases from the Internet more convenient and easier than using conventional wireless Internet access methods. Merchants, suppliers and vendors can more effectively market distressed, time sensitive, and location sensitive or general inventories of goods or services. Suppliers can more easily communicate with potential customers in a manner preferred by the customer, thereby increasing customer responsiveness.

DESCRIPTION OF DRAWING(S) - The diagram shows the types of communication paths between a mobile subscriber and a server

web server (150)

mobile subscriber (110)

data transformation services (240)

pp; 40 DwgNo 1/4

Title Terms: MIX; MODE; INTERACT; WIRELESS; DEVICE; MOBILE; TELEPHONE; WIRELESS; LANGUAGE; DELIVER; NON; VERBAL; RESPOND

Derwent Class: T01; W01

International Patent Class (Main): G06F-000/00000 ; H04L-029/08; H04Q-007/24

International Patent Class (Additional): G06F-017/30 ; H04B-007/24; H04M-003/493

File Segment: EPI

7/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014518492 \*\*Image available\*\*

WPI Acc No: 2002-339195/200237

Related WPI Acc No: 2002-155055; 2002-339190; 2003-240036

XRPX Acc No: N02-266763

**Electronic commerce transaction facilitating system for communicating transaction requests from wireless communication devices to transaction apparatus together with spoken authentication code**

Patent Assignee: AERITAS INC (AERI-N); PROPEL TECHNOLOGY TEAM LLC (PROP-N); GTECH GLOBAL SERVICES CORP LTD (GTEC-N)

Inventor: BOMAR K ; GRANT C ; JOHNSON P ; MAMDANI M ; WHATLEY T

Number of Countries: 097 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200207117	A2	20020124	WO 2001US22048	A	20010712	200237 B
AU 200177876	A	20020130	AU 200177876	A	20010712	200241
NO 200300166	A	20030313	WO 2001US22048	A	20010712	200331

EP 1308002	A2	20030507	NO 2003166	A	20030113	
			EP 2001955821	A	20010712	200332
			WO 2001US22048	A	20010712	
BR 200112480	A	20031007	BR 200112480	A	20010712	200373
			WO 2001US22048	A	20010712	
CZ 200300434	A3	20031217	WO 2001US22048	A	20010712	200404
			CZ 2003434	A	20010712	
CN 1455999	A	20031112	CN 2001815536	A	20010712	200412
HU 200303079	A1	20031229	WO 2001US22048	A	20010712	200413
			HU 20033079	A	20010712	
JP 2004507912	W	20040311	WO 2001US22048	A	20010712	200419
			JP 2002512943	A	20010712	
KR 2003086570	A	20031110	KR 2003700468	A	20030113	200420
NZ 524125	A	20041029	NZ 524125	A	20010712	200474
			WO 2001US22048	A	20010712	
IN 200300155	P1	20050603	WO 2001US22048	A	20010712	200629
			IN 2003DN155	A	20030213	

Priority Applications (No Type Date): US 2000690213 A 20001017; US 2000217997 P 20000713

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200207117	A2	E	47	G07F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200177876 A G07F-019/00 Based on patent WO 200207117

NO 200300166 A G07F-017/00

EP 1308002 A2 E H04L-012/28 Based on patent WO 200207117

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

BR 200112480 A G07F-019/00 Based on patent WO 200207117

CZ 200300434 A3 G07F-019/00 Based on patent WO 200207117

CN 1455999 A H04L-012/28

HU 200303079 A1 H04L-012/28 Based on patent WO 200207117

JP 2004507912 W 82 H04Q-007/38 Based on patent WO 200207117

KR 2003086570 A G06F-017/60

NZ 524125 A G07F-019/00 Based on patent WO 200207117

IN 200300155 P1 E G07F-019/00

Abstract (Basic): WO 200207117 A2

NOVELTY - A transaction request is received at a transaction management system (402) from a wireless communication device (408) and the request is then communicated to a transaction fulfillment system (404). A first transaction bar-code is transmitted to the communication device, the bar-code is scanned to generate a first fulfillment verification operation, before a second bar-code is communicated from the fulfillment system to the communication device in order to perform a second fulfillment verification.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a method for facilitating a wireless transaction.

USE - Facilitating wireless electronic commerce transactions.

ADVANTAGE - Providing secure and convenient facilitating of transactions.

DESCRIPTION OF DRAWING(S) - The drawing shows the system

Communication device (408)

Transaction management system (402)

Transaction fulfillment system (404)

pp; 47 DwgNo 10/10

Title Terms: ELECTRONIC; TRANSACTION; FACILITATE; SYSTEM; COMMUNICATE; TRANSACTION; REQUEST; WIRELESS; COMMUNICATE; DEVICE; TRANSACTION; APPARATUS; SPEAKER; AUTHENTICITY; CODE

Derwent Class: T01; T05; W01

International Patent Class (Main): **G06F-017/60**; G07F-017/00; G07F-019/00; H04L-012/28; H04Q-007/38

International Patent Class (Additional): G06K-007/00; G07F-007/00; H04B-007/26; H04L-029/06

File Segment: EPI

7/5/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014518487 \*\*Image available\*\*

WPI Acc No: 2002-339190/200237

Related WPI Acc No: 2002-155055; 2002-339195; 2003-240036

XRPX Acc No: N02-266758

**Facilitating wireless electronic commerce transactions for providing secure and convenient transactions by verifying identity of requester and passing transaction code to fulfillment system**

Patent Assignee: AERITAS INC (AERI-N); GTECH GLOBAL SERVICES CORP LTD (GTEC-N)

Inventor: BOMAR K; GRANT C; JOHNSON P; MAMDANI M; WHATLEY T

Number of Countries: 096 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200207046	A2	20020124	WO 2001US22233	A	20010712	200237	B
AU 200182892	A	20020130	AU 200182892	A	20010712	200241	
EP 1302029	A2	20030416	EP 2001961644	A	20010712	200328	
			WO 2001US22233	A	20010712		
NO 200300167	A	20030313	WO 2001US22233	A	20010712	200331	
			NO 2003167	A	20030113		
KR 2003036606	A	20030509	KR 2003700526	A	20030113	200358	
BR 200112479	A	20031007	BR 200112479	A	20010712	200373	
			WO 2001US22233	A	20010712		
SK 200300181	A3	20031201	WO 2001US22048	A	20010712	200404	
			SK 2003181	A	20010712		
SK 200300182	A3	20031201	WO 2001US22233	A	20010712	200404	
			SK 2003182	A	20010712		
CN 1456000	A	20031112	CN 2001815537	A	20010712	200412	
HU 200303093	A1	20040128	WO 2001US22233	A	20010712	200415	
			HU 20033093	A	20010712		
CZ 200300433	A3	20040414	WO 2001US22233	A	20010712	200435	
			CZ 2003433	A	20010712		
NZ 524126	A	20041029	NZ 524126	A	20010712	200474	
			WO 2001US22233	A	20010712		
MX 2003000401	A1	20041001	WO 2001US22233	A	20010712	200557	
			MX 2003401	A	20030113		
MX 2003000403	A1	20041001	WO 2001US22233	A	20010712	200557	
			MX 2003403	A	20030113		
RU 2271037	C2	20060227	WO 2001US22233	A	20010712	200620	
			RU 2003104526	A	20010712		
IN 200300156	P1	20050603	WO 2001US22233	A	20010712	200629	
			IN 2003DN156	A	20030213		

Priority Applications (No Type Date): US 2000690601 A 20001017; US 2000217997 P 20000713; US 2000690213 A 20001017

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200207046	A2	E	46	G06F-017/60	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200182892	A			G06F-017/60	Based on patent WO 200207046
EP 1302029	A2	E		H04L-012/28	Based on patent WO 200207046
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
NO 200300167	A			G06F-017/60	
KR 2003036606	A			H04Q-007/38	
BR 200112479	A			G06F-017/60	Based on patent WO 200207046
SK 200300181	A3			G07F-019/00	Based on patent WO 200207046
SK 200300182	A3			G06F-017/00	Based on patent WO 200207046
CN 1456000	A			H04L-012/28	
HU 200303093	A1			H04L-012/28	Based on patent WO 200207046
CZ 200300433	A3			G06F-017/60	Based on patent WO 200207046
NZ 524126	A			G06F-017/60	Based on patent WO 200207046
MX 2003000401	A1			G06F-017/60	Based on patent WO 200207046
MX 2003000403	A1			G06F-017/60	Based on patent WO 200207046
RU 2271037	C2			G07F-019/00	Based on patent WO 200207046
IN 200300156	P1	E		H04L-012/28	

Abstract (Basic): WO 200207046 A2

NOVELTY - A wireless communication device (308) has a scrolling device (308e) used to select a desired transaction code name (308g) from a list (308h) of names on a visual display (308d), while an optically scannable transaction code (308i) is displayed in response to a selection. After the identity of the requester has been verified, a transaction code is transmitted to the device and is scanned by the transaction fulfillment system.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a system for facilitating wireless electronic transactions.

USE - Facilitating wireless electronic commerce transactions.

ADVANTAGE - Providing secure and convenient facilitation of transactions.

DESCRIPTION OF DRAWING(S) - The drawing shows the device

Scrolling device (308e)

Code name (308g)

Display (308d)

Transaction code (308i)

pp; 46 DwgNo 5/10

Title Terms: FACILITATE; WIRELESS; ELECTRONIC; TRANSACTION; SECURE; CONVENIENT; TRANSACTION; VERIFICATION; IDENTIFY; PASS; TRANSACTION; CODE; SYSTEM

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/00 ; G06F-017/60 ; G07F-019/00; H04L-012/28; H04Q-007/38

International Patent Class (Additional): G07F-007/00; H04L-029/06

File Segment: EPI

7/5/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014334352 \*\*Image available\*\*

WPI Acc No: 2002-155055/200220

Related WPI Acc No: 2002-339190; 2002-339195; 2003-240036  
 XRPX Acc No: N02-117846

**method for facilitating wireless transaction using Internet-enabled mobile devices by verifying identity of transaction requester and communicating first transaction code to wireless communication device**

Patent Assignee: AERITAS INC (AERI-N); GTECH WORLDWIDE SERVICE LLC (GTEC-N); GTECH GLOBAL SERVICES CORP LTD (GTEC-N); GTECH GLOBAL SERVICES CORP (GTEC-N); BOMAR K (BOMA-I); JOHNSON P (JOHN-I); MAMDANI M (MAMD-I)

Inventor: **BOMAR K ; GRANT C ; JOHNSON P ; MAMDANI M ; WHATLEY T ; MARMDANI M**

Number of Countries: 097 Number of Patents: 023

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200206992	A2	20020124	WO 2001US22181	A	20010712	200220 B
AU 200177888	A	20020130	AU 200177888	A	20010712	200236
EP 1302028	A2	20030416	EP 2001955833	A	20010712	200328
			WO 2001US22181	A	20010712	
NO 200300168	A	20030313	WO 2001US22181	A	20010712	200331
			NO 2003168	A	20030113	
KR 2003036606	A	20030509	KR 2003700526	A	20030113	200358
KR 2003043911	A	20030602	KR 2003700531	A	20030113	200366
BR 200112478	A	20031007	BR 200112478	A	20010712	200373
			WO 2001US22181	A	20010712	
SK 200300183	A3	20031201	WO 2001US22181	A	20010712	200404
			SK 2003183	A	20010712	
HU 200303213	A2	20031229	WO 2001US22181	A	20010712	200413
			HU 20033213	A	20010712	
CZ 200300432	A3	20040414	WO 2001US22181	A	20010712	200435
			CZ 2003432	A	20010712	
NZ 524127	A	20041126	NZ 524127	A	20010712	200479
			WO 2001US22181	A	20010712	
CN 1554166	A	20041208	CN 2001815538	A	20010712	200517
US 6925307	B1	20050802	US 2000217997	P	20000713	200551
			US 2000692775	A	20001016	
MX 2003000402	A1	20041001	WO 2001US22181	A	20010712	200557
			MX 2003402	A	20030113	
EP 1302028	B1	20050921	EP 2001955833	A	20010712	200563
			WO 2001US22181	A	20010712	
ZA 200301178	A	20051026	ZA 20031178	A	20030212	200578
US 20060003780	A1	20060105	US 2000217997	P	20000713	200603
			US 2000692775	A	20001016	
			US 2005179386	A	20050712	
DE 60113547	E	20060202	DE 113547	A	20010712	200615
			EP 2001955833	A	20010712	
			WO 2001US22181	A	20010712	
ES 2249461	T3	20060401	EP 2001955833	A	20010712	200627
ZA 200301177	A	20051130	ZA 20031177	A	20030212	200628
IN 200300156	P1	20050603	WO 2001US22233	A	20010712	200629
			IN 2003DN156	A	20030213	
IN 200300153	P1	20050603	WO 2000US31382	A	20001115	200629
			IN 2003DN153	A	20030213	
IN 200300155	P1	20050603	WO 2001US22048	A	20010712	200629
			IN 2003DN155	A	20030213	

Priority Applications (No Type Date): US 2000690212 A 20001017; US 2000217997 P 20000713; US 2000690601 A 20001017; US 2000692775 A 20001016 ; US 2005179386 A 20050712; US 2000690213 A 20001017

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
 WO 200206992 A2 E 47 G06F-017/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA

CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
 PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200177888 A G06F-017/00 Based on patent WO 200206992  
 EP 1302028 A2 E H04L-012/28 Based on patent WO 200206992  
 Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
 LI LT LU LV MC MK NL PT RO SE SI TR

NO 200300168 A G06F-017/00  
 KR 2003036606 A H04Q-007/38  
 KR 2003043911 A G06F-017/60  
 BR 200112478 A G06F-017/00 Based on patent WO 200206992  
 SK 200300183 A3 G06F-017/00 Based on patent WO 200206992  
 HU 200303213 A2 H04L-012/28 Based on patent WO 200206992  
 CZ 200300432 A3 G06F-017/00 Based on patent WO 200206992  
 NZ 524127 A G06F-017/00 Based on patent WO 200206992  
 CN 1554166 A H04L-012/28  
 US 6925307 B1 H04Q-007/20 Provisional application US 2000217997  
 MX 2003000402 A1 G06F-017/00 Based on patent WO 200206992  
 EP 1302028 B1 E H04L-012/28 Based on patent WO 200206992  
 Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
 LU MC NL PT SE TR

ZA 200301178 A 43 H04M-000/00  
 US 20060003780 A1 H04Q-007/20 Provisional application US 2000217997

Div ex application US 2000692775

Div ex patent US 6925307

DE 60113547 E H04L-012/28 Based on patent EP 1302028  
 Based on patent WO 200206992  
 ES 2249461 T3 H04L-012/28 Based on patent EP 1302028  
 ZA 200301177 A 70 H04L-000/00  
 IN 200300156 P1 E H04L-012/28  
 IN 200300153 P1 E H04L-029/08  
 IN 200300155 P1 E G07F-019/00

Abstract (Basic): WO 200206992 A2

NOVELTY - The method involves receiving, by a transaction management system, a transaction request from a transaction requester. An identity of the transaction requester is then verified and a first transaction code is communicated to a wireless communication device.

DETAILED DESCRIPTION - The second transaction barcode (STB) is transmitted from the transaction management system (TMS) (302) to the wireless communication device (WCD) (308). A first fulfillment event is also performed in response to a first transaction barcode (FTB) being verified. An operation of scanning the STB is performed after the operation H. In response to scanning the STB, an operation J of receiving, at the TMS (302), a decoded representation of the STB from a transaction fulfillment system (TFS) (304) is performed. After receiving the decoded representation of the STB and in response to the STB being verified, an operation of communicating a transaction fulfillment message (TFM) from the TMS (302) to the WCD (308) is performed.

An INDEPENDENT CLAIM is included for:

(a) a system for facilitating a wireless transaction

USE - In mobile electronic commerce for facilitation of wireless e-commerce transactions.

ADVANTAGE - Enables wireless e-commerce transactions to be facilitated and fulfilled in a secure and convenient manner.

DESCRIPTION OF DRAWING(S) - The drawing illustrates an embodiment of operations for carrying out a wireless transaction according to the

present invention.

transaction management system (TMS) (302)  
 transaction fulfillment system (TFS) (304)  
 wireless communication device (WCD) (308)  
 pp; 47 DwgNo 6/10

Title Terms: METHOD; FACILITATE; WIRELESS; TRANSACTION; ENABLE; MOBILE; DEVICE; VERIFICATION; IDENTIFY; TRANSACTION; COMMUNICATE; FIRST; TRANSACTION; CODE; WIRELESS; COMMUNICATE; DEVICE

Derwent Class: T01; T05; W01

International Patent Class (Main): **G06F-017/00 ; G06F-017/60 ; G07F-019/00; H04L-000/00; H04L-012/28; H04L-029/08; H04M-000/00; H04Q-007/20; H04Q-007/38**

International Patent Class (Additional): G07F-007/00; H04L-029/06

File Segment: EPI

**7/5/5 (Item 1 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

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01571664

**MIXED-MODE INTERACTION**

**INTERAKTION MIT GEMISCHTER BETRIEBSART**

**INTERACTION EN MODE MIXTE**

PATENT ASSIGNEE:

Impulsity, Inc., (4373100), Suite 420, 1321 Valwood Parkway, Carrollton, TX 75006, (US), (Applicant designated States: all)

INVENTOR:

**MAMDANI , Malik , 4506 Fairway Street, Dallas, TX 75219, (US)**

**GRANT , Curtis , 2013 Bosbury Drive, Flower Mound, TX 75028, (US)**

**JOHNSON , Patrick , 4 Winding Creek Court, Trophy Club, TX 76262, (US)**

**BOMAR , Kevin , 103 Patrick Creek Circle, Weatherford, TX 76087, (US)**

**WHATLEY , Tim , 7700 Brookview Court, Irving, TX 75063, (US)**

LEGAL REPRESENTATIVE:

Howe, Steven (79532), Lloyd Wise Commonwealth House, 1-19 New Oxford Street, London WC1A 1LW, (GB)

PATENT (CC, No, Kind, Date): EP 1308018 A1 030507 (Basic)  
 WO 2003019905 030306

APPLICATION (CC, No, Date): EP 2000982125 001115; WO 2000US31382 001115

PRIORITY (CC, No, Date): US 217997 P 000713; US 692775 001016

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-029/08; **G06F-017/30 ; H04M-003/493**

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030502 A1 International application. (Art. 158(1))

Application: 030502 A1 International application entering European phase

Examination: 030502 A1 Date of request for examination: 20030213

Application: 030507 A1 Published application with search report

Examination: 030507 A1 Date of request for examination: 20030213

Change: 030806 A1 Inventor information changed: 20030618

Examination: 031203 A1 Date of dispatch of the first examination report: 20031014

Assignee: 040303 A1 Transfer of rights to new applicant: GTECH  
 Global Services Corporation Limited (4597990)

27 Gregory Afxentiou Avenue 6021 Larnaca CY

Change: 060517 A1 Title of invention (German) changed: 20060517

Change: 060517 A1 Title of invention (English) changed: 20060517  
Change: 060517 A1 Title of invention (French) changed: 20060517  
LANGUAGE (Publication,Procedural,Application): English; English; English

7/5/6 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00989832 \*\*Image available\*\*

**MIXED-MODE INTERACTION**

**INTERACTION EN MODE MIXTE**

Patent Applicant/Assignee:

IMPULSITY INC, Suite #420, 1321 Valwood Parkway, Carrollton, TX 75006, US  
, US (Residence), US (Nationality)

Inventor(s):

MAMDANI Malik, 4150 Wycliff Avenue #108, Dallas, TX 75219, US,  
GRANT Curtis, 2013 Bosbury Drive, Flower Mound, TX 75028, US,  
JOHNSON Patrick, 4 Winding Creek Court, Trophy Club, TX 76262, US,  
BOMAR Kevin, 103 Patrick Creek Circle, Weatherford, TX 76087, US,  
WHATLEY Tim, 7700 Brookview Court, Irving, TX 75063, US

Legal Representative:

GALASSO Raymond M (agent), Simon, Fakhoury, Tangalos, Frantz & Galasso  
PLC, P.O. Box 26503, Austin, TX 78755-0503, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200319905 A1 20030306 (WO 0319905)

Application: WO 2000US31382 20001115 (PCT/WO US0031382)

Priority Application: US 2000217997 20000713; US 2000692775 20001016

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04L-029/08

International Patent Class (v7): G06F-017/30 ; H04M-003/493

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7504

English Abstract

A user of a wireless device, such as a mobile phone, can make purchases or obtain information via a network, such as the Internet, using both voice and non-verbal methods. Users can submit voice queries and receive non-verbal replies, submit non-verbal queries and receive voice replies, or perform similar operations that marry the voice and data capabilities of modern mobile communication devices. The user may provide notification criteria indicating under what conditions a notification should be sent to the user's wireless device. When purchasing opportunities matching the selected notification criteria become available, the user is notified. The user can respond to the notification, and immediately take advantage of the purchasing opportunity if he so desires. Mixed-mode interactions

can also be used by sellers to more advantageously control the marketing of distressed, time sensitive, or other merchandise/services.

**French Abstract**

La presente invention permet a l'utilisateur d'un dispositif mobile, tel qu'un telephone mobile, d'effectuer des achats ou d'obtenir des informations via un reseau tel que l'Internet en utilisant a la fois des procedes vocaux et non verbaux. Selon l'invention, les utilisateurs peuvent soumettre des demandes vocales et recevoir des reponses non verbales, soumettre des demandes non verbales et recevoir des reponses vocales, ou effectuer des operations similaires dans lesquelles sont combinees les fonctionnalites vocales et de transmission de donnees des dispositifs de communication mobiles modernes. L'utilisateur peut introduire des criteres de notification indiquant dans quelles conditions une notification doit etre envoyee a son dispositif sans fil. Lorsque des possibilites d'achat correspondant aux criteres de notification choisis sont disponibles, l'utilisateur recoit une notification. L'utilisateur peut repondre a la notification et profiter immediatement de la possibilite d'achat si il le souhaite. Les interactions en mode mixte peuvent egalement etre utilisees par les vendeurs afin de maitriser de facon avantageuse la commercialisation de services ou marchandises d'urgence, a delai de livraison critique ou autres.

**Legal Status (Type, Date, Text)**

Publication 20030306 A1 With international search report.

Examination 20030403 Request for preliminary examination prior to end of 19th month from priority date

Set	Items	Description
S1	13	AU=(MAMDANI, M? OR MAMDANI M? OR MALIK(2N)MAMDANI) OR BY=(- MALIK(2N)MAMDANI)
S2	138	AU=(GRANT, C? OR GRANT C? OR CURTIS(2N)GRANT) OR BY=(CURTI- S(2N)GRANT)
S3	1312	AU=(JOHNSON, P? OR JOHNSON P? OR PATRICK(2N)JOHNSON) OR BY- =(PATRICK(2N)JOHNSON)
S4	16	AU=(BOMAR K? OR BOMAR K? OR KEVIN(2N)BOMAR) OR BY=(KEVIN(2- N)BOMAR)
S5	20	AU=(WHATLEY, T? OR WHATLEY T? OR TIM(2N)WHATLEY) OR BY=(TI- M(2N)WHATLEY)
S6	13	S1 AND S2 AND S3 AND S4 AND S5
S7	6	S6 AND IC=G06F?
S8	1447	S1 OR S2 OR S3 OR S4 OR S5
S9	43	S8 AND IC=G06F-017/60
S10	40	S9 NOT S7
S11	6	S10 AND ((HAND()HELD OR HANDHELD OR CELL OR CELLULAR OR CO- RDLESS OR MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR D- EVICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL- ()ASSISTANT?)

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200632

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File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

(c) 2006 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200620

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060518,UT=20060511

(c) 2006 WIPO/Univentio

11/5/1 (Item 1 from file: 350)  
 DIALOG(R) File 350:Derwent WPIX  
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015877437 \*\*Image available\*\*  
 WPI Acc No: 2004-035270/200403  
 XRPX Acc No: N04-028011

**Sales transaction performing system, has central transaction server to verify transaction using payment account information, and identifier and purchase price received from mobile communication subscriber and local server**

Patent Assignee: TEKELEC (TEKE-N)  
 Inventor: BENEDYK R D; GRANT C A ; MARSICO P J  
 Number of Countries: 104 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 2003100693	A1	20031204	WO 2003US15855	A	20030520	200403 B
AU 2003247394	A1	20031212	AU 2003247394	A	20030520	200443
US 20050033684	A1	20050210	US 2002382211	P	20020521	200512
				US 2003441395	A	20030520
EP 1514211	A1	20050316	EP 2003755400	A	20030520	200519
				WO 2003US15855	A	20030520

Priority Applications (No Type Date): US 2002382211 P 20020521; US 2003441395 A 20030520

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 2003100693	A1	E 29	G06F-017/60	Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
AU 2003247394	A1		G06F-017/60	Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW
US 20050033684	A1		G06F-017/60	Based on patent WO 2003100693 Provisional application US 2002382211
EP 1514211	A1	E	G06F-017/60	Based on patent WO 2003100693 Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): WO 2003100693 A1

NOVELTY - The system has a local transaction server (120) that associates with a point of sale device to store a purchase price and an identifier for a transaction. A central transaction server (108) receives a voice call from a mobile communication subscriber. The server verifies the transaction using payment account information, and a purchase price and identifier received from the subscriber and local server.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for performing sales transaction using a **mobile** communication **device**.

USE - Used for performing a sales transaction for a good or a service.

ADVANTAGE - The central transaction server receives the voice call from the subscriber to locate a pending transaction in a database managed by the local transaction server, and hence completes the transaction without requiring text messaging or paging services.

DESCRIPTION OF DRAWING(S) - The drawing shows a sales transaction

system.

Mobile telecommunication network (102)  
 Central transaction server (108)  
 Subscriber data base (114)  
 Central transaction database (116)  
 Local transaction server (120)  
 pp; 29 DwgNo 1/3

Title Terms: SALE; TRANSACTION; PERFORMANCE; SYSTEM; CENTRAL; TRANSACTION; SERVE; VERIFICATION; TRANSACTION; PAY; ACCOUNT; INFORMATION; IDENTIFY;

PURCHASE; PRICE; RECEIVE; MOBILE; COMMUNICATE; SUBSCRIBER; LOCAL; SERVE

Derwent Class: T01; T05

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

**11/5/2 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX  
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014800291 \*\*Image available\*\*  
 WPI Acc No: 2002-620997/200267

XRPX Acc No: N02-491566

**Gift selection and purchase method used in wireless transaction, involves delivering gifts to customers, based on stored profile details of their relatives and friends**

Patent Assignee: MPP GLOBAL SOLUTIONS LTD (MPPG-N); MYPOCKETPAL.COM LTD (MYPO-N)

Inventor: CHENEY C C; **JOHNSON P W**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2371123	A	20020717	GB 200022672	A	20000915	200267 B

Priority Applications (No Type Date): GB 200022672 A 20000915

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2371123	A	19		G06F-017/60	

Abstract (Basic): GB 2371123 A

NOVELTY - Details of a customer, his relatives with their profile and available goods/services are stored in a database. A message containing important date ahead together with relevant goods is transmitted to the customer. Order details fed by the customer for selected goods are sent to a server on proper authorization, based on which payment details are provided to the customer. Goods are delivered to the customer on successful payment.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Gift selection and purchase apparatus; and
- (2) Computer program product storing gift selection and purchase program.

USE - For selecting and purchasing gifts e.g. CDs, flower bouquets, etc., for relatives, friends using **wireless device** such as **mobile phones , PDA** .

ADVANTAGE - Ensures easy purchase by matching suitably available goods with relevant personality traits and sends corresponding message to the customer. Ensures secure purchase of gifts by using firewall protection. Reduces shopping time by planning organizing relatives birthdays and anniversaries.

DESCRIPTION OF DRAWING(S) - The figure explains schematic steps involved in gift selection and purchase process.

pp; 19 DwgNo 1/1  
 Title Terms: GIFT; SELECT; PURCHASE; METHOD; WIRELESS; TRANSACTION; DELIVER  
 ; GIFT; CUSTOMER; BASED; STORAGE; PROFILE; DETAIL  
 Derwent Class: T01; T05; W01  
 International Patent Class (Main): **G06F-017/60**  
 File Segment: EPI

**11/5/3 (Item 1 from file: 348)**  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2006 European Patent Office. All rts. reserv.

01690867  
**METHODS AND SYSTEMS FOR PERFORMING A SALES TRANSACTION USING A MOBILE  
 COMMUNICATIONS DEVICE**  
**VERFAHREN UND SYSTEME ZUR DURCHFUHRUNG EINER VERKAUFSTRANSAKTION UNTER  
 VERWENDUNG EINER MOBILKOMMUNIKATIONSEINRICHTUNG**  
**PROCEDES ET SYSTEMES DE REALISATION D'UNE TRANSACTION DE VENTE AU MOYEN  
 D'UN DISPOSITIF MOBILE DE COMMUNICATIONS**

PATENT ASSIGNEE:  
 Tekelec, (2864210), 26580 West Agoura Road, Calabasas, CA 91302, (US),  
 (Applicant designated States: all)

INVENTOR:  
 BENEDEYK, Robby, Darren, 6837 Cool Pond Road, Raleigh, NC 27613, (US)  
 GRANT, Cory, Andrew, 1313 Apache Lane, Apex, NC 27502, (US)  
 MARSICO, Peter, Joseph, 1415 Preston Spring Lane, Chapel Hill, NC 27516,  
 (US)

LEGAL REPRESENTATIVE:  
 Skuhra, Udo, Dipl.-Ing. (11161), Reinhard-Skuhra-Weise & Partner  
 Patentanwalte Postfach 44 01 51, 80750 Munchen, (DE)  
 PATENT (CC, No, Kind, Date): EP 1514211 A1 050316 (Basic)  
 WO 2003100693 031204  
 APPLICATION (CC, No, Date): EP 2003755400 030520; WO 2003US15855 030520  
 PRIORITY (CC, No, Date): US 382211 P 020521  
 DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
 HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR  
 EXTENDED DESIGNATED STATES: AL; LT; LV; MK  
 INTERNATIONAL PATENT CLASS (V7): **G06F-017/60**

NOTE:  
 No A-document published by EPO  
 LEGAL STATUS (Type, Pub Date, Kind, Text):  
 Application: 040128 A1 International application. (Art. 158(1))  
 Application: 040128 A1 International application entering European  
 phase  
 Application: 050316 A1 Published application with search report  
 Examination: 050316 A1 Date of request for examination: 20041221  
 LANGUAGE (Publication,Procedural,Application): English; English; English

**11/5/4 (Item 1 from file: 349)**  
 DIALOG(R)File 349:PCT FULLTEXT  
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01237976 \*\*Image available\*\*  
**CULTURE SPECIFIC ON-LINE COMMERCE**  
**COMMERCE ELECTRONIQUE SPECIFIQUE DE LA CULTURE**  
 Patent Applicant/Assignee:  
 EBAY INC, 2145 Hamilton Avenue, San Jose, CA 95125, US, US (Residence),  
 US (Nationality), (For all designated states except: US)  
 Patent Applicant/Inventor:

HOFER Petra, 1198 Coolidge Avenue, San Jose, CA 95125, US, US (Residence), AT (Nationality), (Designated only for: US)  
 LUAN Chenggang, 80 Descanso Drive, Apt. #3309, San Jose, CA 95134, US, US (Residence), CN (Nationality), (Designated only for: US)  
 DALTON Tola, 1302 The Alameda #304, San Jose, CA 95126, US, US (Residence), US (Nationality), (Designated only for: US)  
 SOMAYAJULA Krishna, 1291 Vicente Drive #257, Sunnyvale, CA 94086, US, US (Residence), IN (Nationality), (Designated only for: US)  
**JOHNSON Peter**, 154 Grunewald Court, Santa Cruz, CA 95065, US, US (Residence), US (Nationality), (Designated only for: US)  
 SAWANOBORI Masaki, 2855 Rubino Circle, San Jose, CA 95125, US, US (Residence), JP (Nationality), (Designated only for: US)

Legal Representative:

STEFFEY Charles E (agent), Schwegman, Lundberg, Woessner & Kluth, P.A.,  
 P.O. Box 2938, Minneapolis, MN 55402, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200545722 A1 20050519 (WO 0545722)  
 Application: WO 2003US31735 20031006 (PCT/WO US03031735)  
 Priority Application: WO 2003US31735 20031006

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
 EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
 LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
 SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
 SI SK TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description  
 Claims

Fulltext Word Count: 1618

English Abstract

A method is described that comprises providing a cultural specific on-line commerce experience for an end user by translating an action of the end user into a standard format used by an on-line auctioneer and by causing the translated action to be sent over a network. The action is taken through a cultural specific end user interface. The standard format is used by an on-line commerce service's back end application software to recognize end user actions originating from experiences that include the cultural specific on-line experience as well as experiences other than the cultural specific on-line experience. The action that is translated into the standard format is to be sent into a network so that it can be received by the on-line commerce service's back-end resources and recognized by the back-end application software.

French Abstract

La presente invention concerne un procede comprenant la fourniture d'un experience de commerce electronique specifique de la culture a un usager par traduction d'une action de l'usager en un format standard utilise par un commissaire-priseur, et en faisant que l'action traduite soit envoyee via un reseau. Cette action se realise via une interface d'usager specifique de la culture. Le format standard est utilise par un applicatif dorsal de service de commerce electronique pour reconnaître

les actions de l'usager prenant naissance dans des experiences qui incluent l'experience en ligne specifique de la culture ainsi que des autres experiences autres que d'expériences en ligne specifique de la culture. L'action qui est traduite dans le format standard doit etre envoyee dans un reseau de facon qu'elle puisse etre recue par les ressources dorsales du service de commerce electronique et reconnue par l'applicatif dorsal.

Legal Status (Type, Date, Text)  
 Publication 20050519 A1 With international search report.

**11/5/5 (Item 2 from file: 349)**  
 DIALOG(R)File 349:PCT FULLTEXT  
 (c) 2006 WIPO/Univentio. All rts. reserv.

01070733 \*\*Image available\*\*  
**METHODS AND SYSTEMS FOR PERFORMING A SALES TRANSACTION USING A MOBILE COMMUNICATIONS DEVICE**  
**PROCEDES ET SYSTEMES DE REALISATION D'UNE TRANSACTION DE VENTE AU MOYEN D'UN DISPOSITIF MOBILE DE COMMUNICATIONS**

Patent Applicant/Assignee:  
 TEKELEC, 26580 West Agoura Road, Calabasas, CA 91302, US, US (Residence), US (Nationality), (For all designated states except: US)  
 Patent Applicant/Inventor:  
 BENEDYK Robby Darren, 6837 Cool Pond Road, Raleigh, NC 27613, US, US (Residence), US (Nationality), (Designated only for: US)  
 GRANT Cory Andrew, 1313 Apache Lane, Apex, NC 27502, US, US (Residence), US (Nationality), (Designated only for: US)  
 MARSICO Peter Joseph, 1415 Preston Spring Lane, Chapel Hill, NC 27516, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:  
 JENKINS Richard E (agent), Jenkins, Wilson & Taylor, P.A., University Tower, Suite 1400, 3100 Tower Boulevard, Durham, NC 27707, US,  
 Patent and Priority Information (Country, Number, Date):

Patent: WO 2003100693 A1 20031204 (WO 03100693)  
 Application: WO 2003US15855 20030520 (PCT/WO US0315855)  
 Priority Application: US 2002382211 20020521

Designated States:  
 (Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ

EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description  
 Claims

Fulltext Word Count: 6666

English Abstract

Methods and systems for performing sales transactions using a mobile

communications **device** and without requiring text messaging or paging services are disclosed. In one example, a subscriber desiring to purchase goods or services proceeds to a point of sale device (125) where the purchase price for the goods or services is totaled. The subscriber then initiates a voice call with a central transaction server (108). The subscriber provides a point of sale device identifier and the purchase price to the central transaction server (108). The central transaction server (108) contacts a local transaction server (120) using the identifier provided by the subscriber. The central transaction server (108) also prompts the subscriber to select the payment account for the transaction and verifies that the subscriber has sufficient credit to purchase the goods or services. The central transaction server (108) locates a pending transaction entry in a database (122) local to the point of sale using the device identifier provided by the subscriber. Upon locating the pending transaction entry and verifying that the subscriber has sufficient credit, the central transaction server (108) notifies the subscriber and the point of sale device (125) that the transaction is complete.

#### French Abstract

L'invention concerne des procedes et des systemes destines a realiser des transactions de ventes au moyen d'un dispositif mobile de communications sans necessiter des services de messagerie textuelle ou de teleavertisseur. Dans un exemple, un abonne souhaitant acheter des marchandises ou des services accede a un dispositif de point de vente (125) ou les prix d'achat des marchandises ou des services sont totalises. L'abonne debute alors un appel vocal avec un serveur central de transaction (108). L'abonne fournit un identificateur de dispositif de point de vente et le prix d'achat au serveur central de transaction (108). Le serveur central de transaction (108) contacte un serveur local de transaction (120) grace a l'identificateur fourni par l'abonne. Le serveur central de transaction (108) demande aussi a l'abonne de selectionner le compte de paiement pour la transaction et verifie que l'abonne possede un credit suffisant pour acheter les marchandises ou les services. Le serveur central de transaction (108) place une entree de transaction en cours dans une base locale de donnees (122) du point de vente au moyen de l'identificateur de dispositif fournit par l'abonne. Lors de la localisation de l'entree de la transaction en cours et de la verification que l'abonne possede un credit suffisant, le serveur central de transaction (108) avertit l'abonne et le dispositif de point de vente (125) que la transaction est realisee.

#### Legal Status (Type, Date, Text)

Publication 20031204 A1 With international search report.

Publication 20031204 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

11/5/6 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00813218 \*\*Image available\*\*

**METHODS AND APPARATUS FOR LOAN PROCESSING**

**PROCEDES ET APPAREIL POUR LE TRAITEMENT DE PRETS**

Patent Applicant/Assignee:

GE CAPITAL COMMERCIAL FINANCE INC, 201 High Ridge Road, Stamford, CT 06927-5100, US, US (Residence), US (Nationality)

Inventor(s):

MANDAVA Jitendra, 135 Cherry Hills Meadows Drive, Wildwood, MO 63040, US,

HOGAN Mick, 14482 Chellington Court, Chesterfield, MO 63017, US,  
 WILKINSON Dave, 924 Leslie Mitch Court, Saint Charles, MO 63304, US,  
 PFITZINGER Jim, 6473 Murdoch Avenue, Saint Charles, MO 63109, US,  
**JOHNSON Paul**, 382 North Taylor Avenue, Apartment 2E, Saint Louis, MO 63108, US,  
 THOMAS Gail, 1501 West Field Avenue, Saint Louis, MO 63011, US,  
 GARCIA Berto, 6627 Devonshire 1W, Saint Louis, MO 63109, US

## Legal Representative:

**BENINATTI John F (et al) (agent)**, General Electric Company, 3135 Easton Turnpike W3C, Fairfield, CT 06431, US,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200146835 A2 20010628 (WO 0146835)

Application: WO 2000US34627 20001219 (PCT/WO US0034627)

Priority Application: US 99471042 19991222

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW  
 (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
 (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): **G06F-017/60**

Publication Language: English

Filing Language: English

## Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 2932

## English Abstract

## French Abstract

Cette invention se rapporte à un analyseur de prêts portable, dans lequel, d'une manière générale, les informations relatives à un emprunteur potentiel et à un prêt peuvent être entrées. L'analyseur transfère les données ainsi entrées dans un rapport d'analyse de transaction, qu'un agent de vente peut examiner. L'analyseur attribue également une valeur en points au prêt potentiel. La valeur en points ainsi attribuée peut ensuite être comparée à des fourchettes de valeurs en points prédéterminées, pour déterminer si le prêt potentiel est viable.

## Legal Status (Type, Date, Text)

Publication 20010628 A2 Without international search report and to be republished upon receipt of that report.

Declaration 20020124 Late publication under Article 17.2a

Republication 20020124 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Declaration 20020124 Late publication under Article 17.2a

Correction 20020516 Corrected version of Pamphlet: pages 1/13-13/13, drawings, replaced by new pages 1/15-15/15; due to late transmittal by the receiving Office

Republication 20020516 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Set        Items        Description

S1        28        AU=(MAMDANI, M? OR MAMDANI M? OR MALIK(2N)MAMDANI) OR BY=(-  
          MALIK(2N)MAMDANI)

S2        975        AU=(GRANT, C? OR GRANT C? OR CURTIS(2N)GRANT) OR BY=(CURTI-  
          S(2N)GRANT)

S3        6447        AU=(JOHNSON, P? OR JOHNSON P? OR PATRICK(2N)JOHNSON) OR BY-  
          =(PATRICK(2N)JOHNSON)

S5        0        AU=(BOMAR K? OR BOMAR K? OR KEVIN(2N)BOMAR) OR BY=(KEVIN(2-  
          N)BOMAR)

S6        12        AU=(WHATLEY, T? OR WHATLEY T? OR TIM(2N)WHATLEY) OR BY=(TI-  
          M(2N)WHATLEY)

S7        0        S1 AND S2 AND S3 AND S6

S8        7462        S1 OR S2 OR S3 OR S6

S9        35        S8 AND ((HAND()HELD OR HANDHELD OR CELL OR CELLULAR OR COR-  
          DLESS OR MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR DE-  
          VICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? -  
          OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL-  
          ()ASSISTANT? O

S10        31        RD (unique items)

File    2:INSPEC 1898-2006/May W2  
      (c) 2006 Institution of Electrical Engineers

File    35:Dissertation Abs Online 1861-2006/Apr  
      (c) 2006 ProQuest Info&Learning

File    65:Inside Conferences 1993-2006/May 22  
      (c) 2006 BLDSC all rts. reserv.

File    99:Wilson Appl. Sci & Tech Abs 1983-2006/Apr  
      (c) 2006 The HW Wilson Co.

File    474:New York Times Abs 1969-2006/May 19  
      (c) 2006 The New York Times

File    475:Wall Street Journal Abs 1973-2006/May 19  
      (c) 2006 The New York Times

File    583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
      (c) 2002 The Gale Group

File    15:ABI/Inform(R) 1971-2006/May 22  
      (c) 2006 ProQuest Info&Learning

File    20:Dialog Global Reporter 1997-2006/May 22  
      (c) 2006 Dialog

File    610:Business Wire 1999-2006/May 22  
      (c) 2006 Business Wire.

File    810:Business Wire 1986-1999/Feb 28  
      (c) 1999 Business Wire

File    476:Financial Times Fulltext 1982-2006/May 23  
      (c) 2006 Financial Times Ltd

File    613:PR Newswire 1999-2006/May 22  
      (c) 2006 PR Newswire Association Inc

File    813:PR Newswire 1987-1999/Apr 30  
      (c) 1999 PR Newswire Association Inc

File    634:San Jose Mercury Jun 1985-2006/May 20  
      (c) 2006 San Jose Mercury News

File    624:McGraw-Hill Publications 1985-2006/May 22  
      (c) 2006 McGraw-Hill Co. Inc

File    9:Business & Industry(R) Jul/1994-2006/May 19  
      (c) 2006 The Gale Group

File    275:Gale Group Computer DB(TM) 1983-2006/May 19  
      (c) 2006 The Gale Group

File    621:Gale Group New Prod.Annou.(R) 1985-2006/May 22  
      (c) 2006 The Gale Group

File    636:Gale Group Newsletter DB(TM) 1987-2006/May 19  
      (c) 2006 The Gale Group

File    16:Gale Group PROMT(R) 1990-2006/May 22  
      (c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2006/May 22  
(c) 2006 The Gale Group

File 256:TecInfoSource 82-2006/Jun  
(c) 2006 Info.Sources Inc

File 47:Gale Group Magazine DB(TM) 1959-2006/May 22  
(c) 2006 The Gale group

File 570:Gale Group MARS(R) 1984-2006/May 19  
(c) 2006 The Gale Group

File 635:Business Dateline(R) 1985-2006/May 19  
(c) 2006 ProQuest Info&Learning

File 477:Irish Times 1999-2006/May 22  
(c) 2006 Irish Times

File 710:Times/Sun.Times(London) Jun 1988-2006/May 22  
(c) 2006 Times Newspapers

File 711:Independent(London) Sep 1988-2006/May 21  
(c) 2006 Newspaper Publ. PLC

File 756:Daily/Sunday Telegraph 2000-2006/May 22  
(c) 2006 Telegraph Group

File 757:Mirror Publications/Independent Newspapers 2000-2006/May 22  
(c) 2006

File 387:The Denver Post 1994-2006/May 19  
(c) 2006 Denver Post

File 471:New York Times Fulltext 1980-2006/May 22  
(c) 2006 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2006/May 21  
(c) 2006 St Louis Post-Dispatch

File 631:Boston Globe 1980-2006/May 19  
(c) 2006 Boston Globe

File 633:Phil.Inquirer 1983-2006/May 17  
(c) 2006 Philadelphia Newspapers Inc

File 638:Newsday/New York Newsday 1987-2006/May 20  
(c) 2006 Newsday Inc.

File 640:San Francisco Chronicle 1988-2006/May 21  
(c) 2006 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2006/May 22  
(c) 2006 Scripps Howard News

File 702:Miami Herald 1983-2006/May 19  
(c) 2006 The Miami Herald Publishing Co.

File 703:USA Today 1989-2006/May 19  
(c) 2006 USA Today

File 704:(Portland)The Oregonian 1989-2006/May 21  
(c) 2006 The Oregonian

File 713:Atlanta J/Const. 1989-2006/May 21  
(c) 2006 Atlanta Newspapers

File 714:(Baltimore) The Sun 1990-2006/May 20  
(c) 2006 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2006/May 22  
(c) 2006 Christian Science Monitor

File 725:(Cleveland)Plain Dealer Aug 1991-2006/May 21  
(c) 2006 The Plain Dealer

File 735:St. Petersburg Times 1989- 2006/May 21  
(c) 2006 St. Petersburg Times

10/5/15 (Item 4 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

08194768 Supplier Number: 68707029 (USE FORMAT 7 FOR FULLTEXT)  
**Point, Click, Powder. (Intrawest Corp. uses Pivotal Corp.'s customer management software)**  
**Johnson, Pat**  
BC Business, v28, n12, p51  
Dec, 2000  
ISSN: 0829-481X  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; General Trade  
Word Count: 1571  
PUBLISHER NAME: Canada Wide Magazine Ltd.  
COMPANY NAMES: \*Intrawest Corp.; Pivotal Corp.  
EVENT NAMES: \*360 (Services information)  
GEOGRAPHIC NAMES: \*1CANA (Canada)  
PRODUCT NAMES: \*7011000 (Hotels & Motels); 7372000 (Computer Software)  
INDUSTRY NAMES: BUSN (Any type of business); REG (Business, Regional)  
SIC CODES: 6512 (Nonresidential building operators); 7011 (Hotels and motels); 7372 (Prepackaged software)  
NAICS CODES: 72111 (Hotels (except Casino Hotels) and Motels); 51121 (Software Publishers)  
SPECIAL FEATURES: LOB; COMPANY

10/5/30 (Item 5 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

0389628 93-40878  
**Unheard of 10 years ago, today's phones will wake you up in the morning**  
**Johnson, Pat**  
Lancaster New Era (Lancaster, PA, US) sBUS p--  
PUBL DATE: 930328  
JOURNAL CODE: XLINE DOCUMENT TYPE: Newspaper article  
WORD COUNT: 1,206  
DATELINE: Lancaster, PA, US  
  
COMPANY NAMES: Enterprise Telephone Co, Lancaster, PA, US, SIC:4813,  
CLASSIFICATION CODES: 8330 (Broadcasting & telecommunications); 7000  
(Marketing)  
DESCRIPTORS: Telephone companies; Customer services; Trends; Middle  
Atlantic  
SPECIAL FEATURE: Photo

10/TI,AU,6/1 (Item 1 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

08220183 INSPEC Abstract Number: C2002-04-6180-065  
**Title: Human-computer interaction at the University of Bath**  
Author(s): Johnson, P. ; O'Neill, E.  
Publication Date: 2001  
Copyright 2002, IEE

10/TI,AU,6/2 (Item 2 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

07436314 INSPEC Abstract Number: C2000-01-3360L-044  
**Title: Micro aerial vehicle communications architecture for urban operations**  
Author(s): Johnson, P. ; Cronin, W.; Kwiatkowski, J.; Clingempeel, M.;  
Kachejian, K.  
Publication Date: Summer 1997  
Copyright 1999, IEE

10/TI,AU,6/3 (Item 3 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

07083132 INSPEC Abstract Number: B9812-6250F-160, C9812-3360L-107  
**Title: Micro-aerial vehicle communications architecture for urban operations**  
Author(s): Cronin, W.; Kwiatkowski, J.; Johnson, P. ; Clingempeel, M.;  
Kachejian, K.  
Publication Date: 1998  
Copyright 1998, IEE

10/TI,AU,6/4 (Item 4 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

07003213 INSPEC Abstract Number: C9810-0230-004  
**Title: Management communication: a technological revolution?**  
Author(s): Johnson, P. ; Fidler, C.S.; Rogerson, S.  
Publication Date: 1998  
Copyright 1998, IEE

10/TI,AU,6/5 (Item 1 from file: 35)  
DIALOG(R)File 35:(c) 2006 ProQuest Info&Learning. All rts. reserv.

01953542 AADAAI3092676  
**The effect of trapping defects on CIGS solar-cell performance**  
Author: Johnson, Pamela Kay  
Year: 2003

10/TI,AU,6/6 (Item 1 from file: 99)  
DIALOG(R)File 99:(c) 2006 The HW Wilson Co. All rts. reserv.

1970099 H.W. WILSON RECORD NUMBER: BAST99051968  
**International Design Competition winners**  
**Johnson, Peter K ;**  
19990700

**10/TI,AU,6/7 (Item 1 from file: 15)**  
DIALOG(R)File 15:(c) 2006 ProQuest Info&Learning. All rts. reserv.

02536394 239547791  
**Slings and arrows of rudeness: Incivility in the workplace**  
**Johnson, Pamela R ; Indvik, Julie**  
2001  
LENGTH: 9 Pages  
WORD COUNT: 3957

**10/TI,AU,6/8 (Item 2 from file: 15)**  
DIALOG(R)File 15:(c) 2006 ProQuest Info&Learning. All rts. reserv.

02358322 117541899  
**Stress and workplace violence: it takes two to tango**  
**Johnson, Pamela R. ; Indvik, Julie**  
1996  
WORD COUNT: 4077

**10/TI,AU,6/9 (Item 3 from file: 15)**  
DIALOG(R)File 15:(c) 2006 ProQuest Info&Learning. All rts. reserv.

01915777 05-66769  
**The organizational benefits of assisting domestically abused employees**  
**Johnson, Pamela R ; Indvik, Julie**  
Fall 1999  
LENGTH: 10 Pages  
WORD COUNT: 3402

**10/TI,AU,6/10 (Item 4 from file: 15)**  
DIALOG(R)File 15:(c) 2006 ProQuest Info&Learning. All rts. reserv.

01880026 05-31018  
**Back-to-school buying guide**  
Feldman, Judy; **Johnson, Patrice D** ; Kuhn, David; Murphy, Brian P; et al  
Sep 1999  
LENGTH: 3 Pages  
WORD COUNT: 1419

**10/TI,AU,6/11 (Item 5 from file: 15)**  
DIALOG(R)File 15:(c) 2006 ProQuest Info&Learning. All rts. reserv.

00381185 87-40019  
**Small Telcos, Their Communities, and Economic Hard Times: Managers and Directors Speak Out**  
Green, Gary; Welker, Norm; Smith, Gerald; Harvey, Norman; Thronson, Richard  
; Stanley, Billy; Hight, Warren; **Johnson, Parker** ; Clemons, Bobby; Sims,  
Mickey L  
Fall 1987  
LENGTH: 10 Pages

10/TI,AU,6/12 (Item 1 from file: 16)  
DIALOG(R)File 16:(c) 2006 The Gale Group. All rts. reserv.

11540092 Supplier Number: 123308443  
Time is running out for the Tardis; Home front.(Features)  
Johnson, Philip  
Oct 18, 2004  
Word Count: 1064

10/TI,AU,6/13 (Item 2 from file: 16)  
DIALOG(R)File 16:(c) 2006 The Gale Group. All rts. reserv.

09876463 Supplier Number: 87468664  
Web e-enabling the nuclear plant. (Information Technology).(Brief Article)  
Johnson, Paul  
June, 2002  
Word Count: 696

10/TI,AU,6/14 (Item 3 from file: 16)  
DIALOG(R)File 16:(c) 2006 The Gale Group. All rts. reserv.

09061681 Supplier Number: 79023727  
Automated Underwriting Delivers the Goods.(Desktop underwriter technology developed by Fannie Mae)(Statistical Data Included)  
Johnson, Pamela ; Davis, Terri  
Oct 10, 2001  
Word Count: 972

10/TI,AU,6/15 (Item 4 from file: 16)  
DIALOG(R)File 16:(c) 2006 The Gale Group. All rts. reserv.

08194768 Supplier Number: 68707029  
Point, Click, Powder.(Intrawest Corp. uses Pivotal Corp.'s customer management software)  
Johnson, Pat  
Dec, 2000  
Word Count: 1571

10/TI,AU,6/16 (Item 1 from file: 148)  
DIALOG(R)File 148:(c)2006 The Gale Group. All rts. reserv.

14075133 SUPPLIER NUMBER: 80401485 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
Help your filters save money: Filters can do a great job of keeping hydraulic fluid clean. But keeping contaminants out of the hydraulic system helps the filters do a better job and last longer. The net result: lower operating costs.  
Johnson, P.  
Nov, 2001  
WORD COUNT: 2201 LINE COUNT: 00181

10/TI,AU,6/17 (Item 2 from file: 148)  
DIALOG(R)File 148:(c)2006 The Gale Group. All rts. reserv.

05875570 SUPPLIER NUMBER: 12252503 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Load sensing, synchronizing hydraulic control system. (Linde Hydraulics'**  
**Linde Synchron Control hydraulic system) (Product Announcement)**  
**Johnson, Paul**  
March, 1992  
WORD COUNT: 886 LINE COUNT: 00070

**10/TI,AU,6/18 (Item 3 from file: 148)**  
DIALOG(R)File 148:(c)2006 The Gale Group. All rts. reserv.

03651416 SUPPLIER NUMBER: 06673228 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Videos replace brochures in new agency. (Wingtips Travel) (Profitline)**  
**Johnson, Patricia Larsen**  
Sept 29, 1988  
WORD COUNT: 713 LINE COUNT: 00056

**10/TI,AU,6/19 (Item 1 from file: 47)**  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

06534190 SUPPLIER NUMBER: 98370888 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Madly in love: ... or just plain crazy! Our quiz draws the line between**  
**passion and drama. (intimacies).**  
**Johnson, Pamela**  
March, 2003  
WORD COUNT: 762 LINE COUNT: 00056

**10/TI,AU,6/20 (Item 2 from file: 47)**  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

06329215 SUPPLIER NUMBER: 85107305 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**All by myself: what we can learn from loneliness.**  
**(intimacies).(understanding and coping with loneliness)(Brief Article)**  
**Johnson, Pamela**  
May, 2002  
WORD COUNT: 778 LINE COUNT: 00058

**10/TI,AU,6/21 (Item 3 from file: 47)**  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

06145210 SUPPLIER NUMBER: 77384366 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Utility Franchise Opportunities For the 21st Century.(public utilities)**  
**Grant, Carolyn**  
August, 2001  
WORD COUNT: 1524 LINE COUNT: 00129

**10/TI,AU,6/22 (Item 4 from file: 47)**  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

05393036 SUPPLIER NUMBER: 21253794 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Men who make us.... (thought-provoking African American men)**  
**Johnson, Pamela**  
Nov, 1998  
WORD COUNT: 2732 LINE COUNT: 00202

10/TI,AU,6/23 (Item 5 from file: 47)  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

04770408 SUPPLIER NUMBER: 19403223 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Come to your senses.(includes recipes)**  
**Grant, Caroline A.**  
May-June, 1997  
WORD COUNT: 2570 LINE COUNT: 00227

10/TI,AU,6/24 (Item 6 from file: 47)  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

04386733 SUPPLIER NUMBER: 17774222 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Information at your belt buckle. (construction and real estate company**  
**Spaulding & Slye combines pagers and groupware) (Real Problems, Real**  
**Solutions)**  
**Johnson, Peter**  
Dec, 1995  
WORD COUNT: 999 LINE COUNT: 00082

10/TI,AU,6/25 (Item 7 from file: 47)  
DIALOG(R)File 47:(c) 2006 The Gale group. All rts. reserv.

04367919 SUPPLIER NUMBER: 17649335 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**All revved up: 1996 new-car owners' guide.(Buyers Guide)**  
**Johnson, Pamala**  
Nov, 1995  
WORD COUNT: 2582 LINE COUNT: 00190

10/TI,AU,6/26 (Item 1 from file: 635)  
DIALOG(R)File 635:(c) 2006 ProQuest Info&Learning. All rts. reserv.

2125330 65294702  
**Point, Click, Powder**  
**Johnson, Pat**  
Dec 1, 2000  
WORD COUNT: 1,465

10/TI,AU,6/27 (Item 2 from file: 635)  
DIALOG(R)File 635:(c) 2006 ProQuest Info&Learning. All rts. reserv.

0750931 97-09458  
**Company to pull plans for cell tower at church**  
**Johnson, Paul**  
PUBL DATE: 961002  
WORD COUNT: 418

10/TI,AU,6/28 (Item 3 from file: 635)  
DIALOG(R)File 635:(c) 2006 ProQuest Info&Learning. All rts. reserv.

0742376 97-00899  
**RF Micro Devices to build plant**  
**Johnson, Paul**  
PUBL DATE: 960905  
WORD COUNT: 321

**10/TI,AU,6/29 (Item 4 from file: 635)**  
DIALOG(R)File 635:(c) 2006 ProQuest Info&Learning. All rts. reserv.

0478883 94-32549  
**Ex-Nicolet leader heads for new job**  
**Johnson, Paul**  
PUBL DATE: 940304  
WORD COUNT: 312

**10/TI,AU,6/30 (Item 5 from file: 635)**  
DIALOG(R)File 635:(c) 2006 ProQuest Info&Learning. All rts. reserv.

0389628 93-40878  
**Unheard of 10 years ago, today's phones will wake you up in the morning**  
**Johnson, Pat**  
PUBL DATE: 930328  
WORD COUNT: 1,206

**10/TI,AU,6/31 (Item 6 from file: 635)**  
DIALOG(R)File 635:(c) 2006 ProQuest Info&Learning. All rts. reserv.

0276565 92-22914  
**Who Would've Dreamed**  
**Johnson, Paige**  
PUBL DATE: 920300  
WORD COUNT: 2,106

Set        Items        Description

S1        2724639        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
OR TRANSFER? OR RELAY?

S2        79367        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
MERCANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
ERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU

S3        328486        (HAND()HELD OR HANDHELD OR CELL OR CELLULAR OR CORDLESS OR  
MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR DEVICE? ? OR  
EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ?  
OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT?  
OR BLACK(

S4        1291066        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
CAL(1W)READER

S5        479839        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
RETAILER? OR SELLER? OR STORE OR STORES

S6        2909        S1 AND S2 AND S3

S7        110117        S4 AND S5

S8        272        S6 AND S7

S9        138        S8 AND IC=G06F-017/60

S10       1750        S1(S)S2(S)S3

S11       81380        S4(S)S5

S12       148        S10 AND S11

S13       93        S12 AND IC=G06F-017/60

S14       93        IDPAT (sorted in duplicate/non-duplicate order)

S15       87        IDPAT (primary/non-duplicate records only)

S16       463        (MOBILE OR M OR WIRELESS) (1W) (COMMERCE OR ECOMMERCE OR E() -  
COMMERCE OR BUSINESS OR PAYMENT? OR SETTL?) OR MCOMMERCE OR P-  
OINT(1W) PAY

S17       4        S15 AND S16

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200632  
(c) 2006 Thomson Derwent

File 344:Chinese Patents Abs Jan 1985-2006/Jan  
(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)  
(c) 2006 JPO & JAPIO

*patent  
search*

17/5/1 (Item 1 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 Thomson Derwent. All rts. reserv.

015076298 \*\*Image available\*\*  
 WPI Acc No: 2003-136816/200313  
**Payment method using payment code on mobile terminal**  
 Patent Assignee: STARBRIDGE COMMUNICATIONS CO LTD (STAR-N)  
 Inventor: CHOI J H  
 Number of Countries: 001 Number of Patents: 001  
 Patent Family:  

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002065989	A	20020814	KR 20016133	A	20010208	200313 B

Priority Applications (No Type Date): KR 20016133 A 20010208

Patent Details:  
 Patent No Kind Lan Pg Main IPC Filing Notes  
 KR 2002065989 A 1 G06F-017/60

Abstract (Basic): KR 2002065989 A

NOVELTY - A payment method is provided to make a payment on a mobile terminal by using an identifiable payment code downloaded at a mobile terminal via an online network or an offline media or given at every transaction.

DETAILED DESCRIPTION - The method comprises steps of a user requesting a payment on a mobile phone(S101), a **mobile payment** management company setting a monthly payment limit to the user by considering a vocation, an age or an income, and transmitting a payment code to the user(S102), the user downloading the payment code at the mobile phone(S103), in a case of buying a commodity or using a service by using a **mobile payment**, the user inputting a secret code at the mobile terminal for receiving a user approval(S104), the mobile phone displaying the payment code on a display(S105), a payment code **reader**, installed at an affiliated **store**, **reading** the payment code displayed on the mobile phone(S106), the payment code **reader** allowing an operator to input a transaction money or an installment month as well as the payment code, and transmitting a transaction approval request to the **mobile payment** management company(S107), the company transmitting a **transaction** approval **code** and specification to the **reader** and the **mobile phone** after checking if the requested transaction is normal(S110), and a mobile communication company calculating a total payment amount and **sending** a bill to the user(S111).

pp; 1 DwgNo 1/10  
 Title Terms: PAY; METHOD; PAY; CODE; MOBILE; TERMINAL  
 Derwent Class: T01; W01  
 International Patent Class (Main): G06F-017/60  
 File Segment: EPI

17/5/2 (Item 2 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 Thomson Derwent. All rts. reserv.

014518492 \*\*Image available\*\*  
 WPI Acc No: 2002-339195/200237  
 Related WPI Acc No: 2002-155055; 2002-339190; 2003-240036  
 XRPX Acc No: N02-266763  
**Electronic commerce transaction facilitating system for communicating transaction requests from wireless communication devices to transaction**

**apparatus together with spoken authentication code**

Patent Assignee: AERITAS INC (AERI-N); PROPEL TECHNOLOGY TEAM LLC (PROP-N);

GTECH GLOBAL SERVICES CORP LTD (GTEC-N)

Inventor: BOMAR K; GRANT C; JOHNSON P; MAMDANI M; WHATLEY T

Number of Countries: 097 Number of Patents: 012

## Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200207117	A2	20020124	WO 2001US22048	A	20010712	200237	B
AU 200177876	A	20020130	AU 200177876	A	20010712	200241	
NO 200300166	A	20030313	WO 2001US22048	A	20010712	200331	
			NO 2003166	A	20030113		
EP 1308002	A2	20030507	EP 2001955821	A	20010712	200332	
			WO 2001US22048	A	20010712		
BR 200112480	A	20031007	BR 200112480	A	20010712	200373	
			WO 2001US22048	A	20010712		
CZ 200300434	A3	20031217	WO 2001US22048	A	20010712	200404	
			CZ 2003434	A	20010712		
CN 1455999	A	20031112	CN 2001815536	A	20010712	200412	
HU 200303079	A1	20031229	WO 2001US22048	A	20010712	200413	
			HU 20033079	A	20010712		
JP 2004507912	W	20040311	WO 2001US22048	A	20010712	200419	
			JP 2002512943	A	20010712		
KR 2003086570	A	20031110	KR 2003700468	A	20030113	200420	
NZ 524125	A	20041029	NZ 524125	A	20010712	200474	
			WO 2001US22048	A	20010712		
IN 200300155	P1	20050603	WO 2001US22048	A	20010712	200629	
			IN 2003DN155	A	20030213		

Priority Applications (No Type Date): US 2000690213 A 20001017; US 2000217997 P 20000713

## Patent Details:

Patent No	Kind	Lat Pg	Main IPC	Filing Notes
WO 200207117	A2	E	47 G07F-019/00	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
AU 200177876 A G07F-019/00 Based on patent WO 200207117				
NO 200300166	A		G07F-017/00	
EP 1308002	A2	E	H04L-012/28	Based on patent WO 200207117
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				
BR 200112480	A		G07F-019/00	Based on patent WO 200207117
CZ 200300434	A3		G07F-019/00	Based on patent WO 200207117
CN 1455999	A		H04L-012/28	
HU 200303079	A1		H04L-012/28	Based on patent WO 200207117
JP 2004507912	W	82	H04Q-007/38	Based on patent WO 200207117
KR 2003086570	A		G06F-017/60	
NZ 524125	A		G07F-019/00	Based on patent WO 200207117
IN 200300155	P1	E	G07F-019/00	

Abstract (Basic): WO 200207117 A2

NOVELTY - A transaction request is received at a transaction management system (402) from a wireless communication device (408) and the request is then communicated to a transaction fulfillment system (404). A first **transaction bar - code** is **transmitted** to the communication device, the **bar - code** is **scanned** to generate a first fulfillment verification operation, before a second **bar - code** is **communicated** from the **fulfillment system** to the communication

device in order to perform a second fulfillment verification.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a method for facilitating a wireless transaction.

USE - Facilitating **wireless** electronic **commerce** transactions.

ADVANTAGE - Providing secure and convenient facilitating of transactions.

DESCRIPTION OF DRAWING(S) - The drawing shows the system Communication device (408)

Transaction management system (402)

Transaction fulfillment system (404)

pp; 47 DwgNo 10/10

Title Terms: ELECTRONIC; TRANSACTION; FACILITATE; SYSTEM; COMMUNICATE; TRANSACTION; REQUEST; WIRELESS; COMMUNICATE; DEVICE; TRANSACTION; APPARATUS; SPEAKER; AUTHENTICITY; CODE

Derwent Class: T01; T05; W01

International Patent Class (Main): **G06F-017/60**; G07F-017/00; G07F-019/00; H04L-012/28; H04Q-007/38

International Patent Class (Additional): G06K-007/00; G07F-007/00; H04B-007/26; H04L-029/06

File Segment: EPI

**17/5/3 (Item 3 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014518487 \*\*Image available\*\*

WPI Acc No: 2002-339190/200237

Related WPI Acc No: 2002-155055; 2002-339195; 2003-240036

XRPX Acc No: N02-266758

**Facilitating wireless electronic commerce transactions for providing secure and convenient transactions by verifying identity of requester and passing transaction code to fulfillment system**

Patent Assignee: AERITAS INC (AERI-N); GTECH GLOBAL SERVICES CORP LTD (GTEC-N)

Inventor: BOMAR K; GRANT C; JOHNSON P; MAMDANI M; WHATLEY T

Number of Countries: 096 Number of Patents: 016

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200207046	A2	20020124	WO 2001US22233	A	20010712	200237 B
AU 200182892	A	20020130	AU 200182892	A	20010712	200241
EP 1302029	A2	20030416	EP 2001961644	A	20010712	200328
			WO 2001US22233	A	20010712	
NO 200300167	A	20030313	WO 2001US22233	A	20010712	200331
			NO 2003167	A	20030113	
KR 2003036606	A	20030509	KR 2003700526	A	20030113	200358
BR 200112479	A	20031007	BR 200112479	A	20010712	200373
			WO 2001US22233	A	20010712	
SK 200300181	A3	20031201	WO 2001US22048	A	20010712	200404
			SK 2003181	A	20010712	
SK 200300182	A3	20031201	WO 2001US22233	A	20010712	200404
			SK 2003182	A	20010712	
CN 1456000	A	20031112	CN 2001815537	A	20010712	200412
HU 200303093	A1	20040128	WO 2001US22233	A	20010712	200415
			HU 20033093	A	20010712	
CZ 200300433	A3	20040414	WO 2001US22233	A	20010712	200435
			CZ 2003433	A	20010712	
NZ 524126	A	20041029	NZ 524126	A	20010712	200474
			WO 2001US22233	A	20010712	
MX 2003000401	A1	20041001	WO 2001US22233	A	20010712	200557
			MX 2003401	A	20030113	

MX 2003000403	A1	20041001	WO 2001US22233	A	20010712	200557
			MX 2003403	A	20030113	
RU 2271037	C2	20060227	WO 2001US22233	A	20010712	200620
			RU 2003104526	A	20010712	
IN 200300156	P1	20050603	WO 2001US22233	A	20010712	200629
			IN 2003DN156	A	20030213	

Priority Applications (No Type Date): US 2000690601 A 20001017; US 2000217997 P 20000713; US 2000690213 A 20001017

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200207046	A2	E	46	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200182892 A G06F-017/60 Based on patent WO 200207046  
EP 1302029 A2 E H04L-012/28 Based on patent WO 200207046

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

NO 200300167	A	G06F-017/60	
KR 2003036606	A	H04Q-007/38	
BR 200112479	A	G06F-017/60	Based on patent WO 200207046
SK 200300181	A3	G07F-019/00	Based on patent WO 200207046
SK 200300182	A3	G06F-017/00	Based on patent WO 200207046
CN 1456000	A	H04L-012/28	
HU 200303093	A1	H04L-012/28	Based on patent WO 200207046
CZ 200300433	A3	G06F-017/60	Based on patent WO 200207046
NZ 524126	A	G06F-017/60	Based on patent WO 200207046
MX 2003000401	A1	G06F-017/60	Based on patent WO 200207046
MX 2003000403	A1	G06F-017/60	Based on patent WO 200207046
RU 2271037	C2	G07F-019/00	Based on patent WO 200207046
IN 200300156	P1 E	H04L-012/28	

Abstract (Basic): WO 200207046 A2

NOVELTY - A wireless communication device (308) has a scrolling device (308e) used to select a desired transaction code name (308g) from a list (308h) of names on a visual display (308d), while an optically scannable transaction code (308i) is displayed in response to a selection. After the identity of the requester has been verified, a transaction code is **transmitted** to the device and is scanned by the transaction **fulfillment system**.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a system for facilitating wireless electronic transactions.

USE - Facilitating **wireless** electronic **commerce** transactions.

ADVANTAGE - Providing secure and convenient facilitation of transactions.

DESCRIPTION OF DRAWING(S) - The drawing shows the device

Scrolling device (308e)

Code name (308g)

Display (308d)

Transaction code (308i)

pp; 46 DwgNo 5/10

Title Terms: FACILITATE; WIRELESS; ELECTRONIC; TRANSACTION; SECURE; CONVENIENT; TRANSACTION; VERIFICATION; IDENTIFY; PASS; TRANSACTION; CODE; SYSTEM

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/00; **G06F-017/60**; G07F-019/00; H04L-012/28; H04Q-007/38

International Patent Class (Additional): G07F-007/00; H04L-029/06  
 File Segment: EPI

17/5/4 (Item 4 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 Thomson Derwent. All rts. reserv.

014334352 \*\*Image available\*\*  
 WPI Acc No: 2002-155055/200220  
 Related WPI Acc No: 2002-339190; 2002-339195; 2003-240036  
 XRPX Acc No: N02-117846

**method for facilitating wireless transaction using Internet-enabled mobile devices by verifying identity of transaction requester and communicating first transaction code to wireless communication device**

Patent Assignee: AERITAS INC (AERI-N); GTECH WORLDWIDE SERVICE LLC (GTEC-N); GTECH GLOBAL SERVICES CORP LTD (GTEC-N); GTECH GLOBAL SERVICES CORP (GTEC-N); BOMAR K (BOMA-I); JOHNSON P (JOHN-I); MAMDANI M (MAMD-I)

Inventor: BOMAR K; GRANT C; JOHNSON P; MAMDANI M; WHATLEY T; MARMDANI M  
 Number of Countries: 097 Number of Patents: 023

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200206992	A2	20020124	WO 2001US22181	A	20010712	200220 B
AU 200177888	A	20020130	AU 200177888	A	20010712	200236
EP 1302028	A2	20030416	EP 2001955833	A	20010712	200328
			WO 2001US22181	A	20010712	
NO 200300168	A	20030313	WO 2001US22181	A	20010712	200331
			NO 2003168	A	20030113	
KR 2003036606	A	20030509	KR 2003700526	A	20030113	200358
KR 2003043911	A	20030602	KR 2003700531	A	20030113	200366
BR 200112478	A	20031007	BR 200112478	A	20010712	200373
			WO 2001US22181	A	20010712	
SK 200300183	A3	20031201	WO 2001US22181	A	20010712	200404
			SK 2003183	A	20010712	
HU 200303213	A2	20031229	WO 2001US22181	A	20010712	200413
			HU 20033213	A	20010712	
CZ 200300432	A3	20040414	WO 2001US22181	A	20010712	200435
			CZ 2003432	A	20010712	
NZ 524127	A	20041126	NZ 524127	A	20010712	200479
			WO 2001US22181	A	20010712	
CN 1554166	A	20041208	CN 2001815538	A	20010712	200517
US 6925307	B1	20050802	US 2000217997	P	20000713	200551
			US 2000692775	A	20001016	
MX 2003000402	A1	20041001	WO 2001US22181	A	20010712	200557
			MX 2003402	A	20030113	
EP 1302028	B1	20050921	EP 2001955833	A	20010712	200563
			WO 2001US22181	A	20010712	
ZA 200301178	A	20051026	ZA 20031178	A	20030212	200578
US 20060003780	A1	20060105	US 2000217997	P	20000713	200603
			US 2000692775	A	20001016	
			US 2005179386	A	20050712	
DE 60113547	E	20060202	DE 113547	A	20010712	200615
			EP 2001955833	A	20010712	
			WO 2001US22181	A	20010712	
ES 2249461	T3	20060401	EP 2001955833	A	20010712	200627
ZA 200301177	A	20051130	ZA 20031177	A	20030212	200628
IN 200300156	P1	20050603	WO 2001US22233	A	20010712	200629
			IN 2003DN156	A	20030213	
IN 200300153	P1	20050603	WO 2000US31382	A	20001115	200629
			IN 2003DN153	A	20030213	

IN 200300155 P1 20050603 WO 2001US22048 A 20010712 200629  
 IN 2003DN155 A 20030213

Priority Applications (No Type Date): US 2000690212 A 20001017; US 2000217997 P 20000713; US 2000690601 A 20001017; US 2000692775 A 20001016; US 2005179386 A 20050712; US 2000690213 A 20001017

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
 WO 200206992 A2 E 47 G06F-017/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200177888 A G06F-017/00 Based on patent WO 200206992

EP 1302028 A2 E H04L-012/28 Based on patent WO 200206992

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

NO 200300168 A G06F-017/00

KR 2003036606 A H04Q-007/38

KR 2003043911 A G06F-017/60

BR 200112478 A G06F-017/00

Based on patent WO 200206992

SK 200300183 A3 G06F-017/00

Based on patent WO 200206992

HU 200303213 A2 H04L-012/28

Based on patent WO 200206992

CZ 200300432 A3 G06F-017/00

Based on patent WO 200206992

NZ 524127 A G06F-017/00

Based on patent WO 200206992

CN 1554166 A H04L-012/28

US 6925307 B1 H04Q-007/20

Provisional application US 2000217997

MX 2003000402 A1 G06F-017/00

Based on patent WO 200206992

EP 1302028 B1 E H04L-012/28

Based on patent WO 200206992

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC MK NL PT RO SE SI TR

ZA 200301178 A 43 H04M-000/00

US 20060003780 A1 H04Q-007/20

Provisional application US 2000217997

Div ex application US 2000692775

Div ex patent US 6925307

DE 60113547 E H04L-012/28

Based on patent EP 1302028

ES 2249461 T3 H04L-012/28

Based on patent WO 200206992

ZA 200301177 A 70 H04L-000/00

Based on patent EP 1302028

IN 200300156 P1 E H04L-012/28

IN 200300153 P1 E H04L-029/08

IN 200300155 P1 E G07F-019/00

Abstract (Basic): WO 200206992 A2

NOVELTY - The method involves receiving, by a transaction management system, a transaction request from a transaction requester. An identity of the transaction requester is then verified and a first transaction code is communicated to a **wireless** communication **device**.

DETAILED DESCRIPTION - The second transaction barcode (STB) is transmitted from the transaction management system (TMS) (302) to the **wireless** communication **device** (WCD) (308). A first fulfillment event is also performed in response to a first transaction **barcode** (FTB) being verified. An operation of scanning the STB is performed after the operation H. In response to scanning the STB, an operation J of receiving, at the TMS (302), a decoded representation of the STB from a transaction **fulfillment system** (TFS) (304) is performed. After receiving the decoded representation of the STB and in response to the

STB being verified, an operation of **communicating** a transaction fulfillment message (TFM) from the TMS (302) to the WCD (308) is performed.

An INDEPENDENT CLAIM is included for:

(a) a system for facilitating a wireless transaction  
USE - In **mobile** electronic **commerce** for facilitation of  
**wireless e-commerce** transactions.

ADVANTAGE - Enables **wireless e-commerce** transactions to be facilitated and fulfilled in a secure and convenient manner.

DESCRIPTION OF DRAWING(S) - The drawing illustrates an embodiment of operations for carrying out a wireless transaction according to the present invention.

transaction management system (TMS) (302)

transaction fulfillment system (TFS) (304)

wireless communication device (WCD) (308)

pp; 47 DwgNo 6/10

Title Terms: METHOD; FACILITATE; WIRELESS; TRANSACTION; ENABLE; MOBILE; DEVICE; VERIFICATION; IDENTIFY; TRANSACTION; COMMUNICATE; FIRST; TRANSACTION; CODE; WIRELESS; COMMUNICATE; DEVICE

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/00; **G06F-017/60**; G07F-019/00; H04L-000/00; H04L-012/28; H04L-029/08; H04M-000/00; H04Q-007/20; H04Q-007/38

International Patent Class (Additional): G07F-007/00; H04L-029/06

File Segment: EPI

Set	Items	Description
S1	1166175	COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT OR TRANSFER? OR RELAY?
S2	92486	CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR MERCANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV- ERSAL()PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU
S3	152973	(HAND())HELD OR HANDHELD OR CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK(
S4	961899	SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI- CAL(1W)READER
S5	278118	FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR - RETAILER? OR SELLER? OR STORE OR STORES
S6	587	S1(7N)S2(7N)S3
S7	26810	S4(7N)S5
S8	12	S6(S)S7
S9	7	S8 AND IC=G06F-017/60

File 348:EUROPEAN PATENTS 1978-2006/ 200620  
(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060518,UT=20060511  
(c) 2006 WIPO/Univentio

9/3,K/1 (Item 1 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2006 European Patent Office. All rts. reserv.

01389266

**Electronic coupon system**  
**Elektronisches Coupon-System**  
**Système de coupons électroniques**

**PATENT ASSIGNEE:**

Hitachi Maxell Ltd., (227755), No 1-1-88, Ushitora Ibaraki-shi, Osaka,  
 567, (JP), (Applicant designated States: all)

**INVENTOR:**

Kitaura, Keiko, 7-2-504, Higashiyukigaya 2-chome, Ota-ku, Tokyo, (JP)  
 Fujita, Ichirou, 8-19-305, Gohongi 1-chome, Meguro-ku, Tokyo, (JP)  
 Yamato, Yorichika, 4-30-101, Kugayama 3-chome, Suginami-ku, Tokyo, (JP)  
 Suzuki, Chika, 87, Ichinotsubo, Nakahara-ku, Kawasaki-shi, Kanagawa, (JP)

**LEGAL REPRESENTATIVE:**

Betten & Resch (101033), Patentanwalte, Theatinerstrasse 8, 80333 Munchen  
 , (DE)

**PATENT** (CC, No, Kind, Date): EP 1178421 A2 020206 (Basic)  
 EP 1178421 A3 040128

**APPLICATION** (CC, No, Date): EP 2001118381 010727;

**PRIORITY** (CC, No, Date): JP 2000233511 000801; JP 2001107934 010406

**DESIGNATED STATES:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
 LU; MC; NL; PT; SE; TR

**EXTENDED DESIGNATED STATES:** AL; LT; LV; MK; RO; SI

**INTERNATIONAL PATENT CLASS (V7):** G06F-017/60

**ABSTRACT WORD COUNT:** 122

**NOTE:**

Figure number on first page: 1

**LANGUAGE (Publication,Procedural,Application):** English; English; English  
**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200206	2203
SPEC A	(English)	200206	19025
Total word count - document A			21228
Total word count - document B			0
Total word count - documents A + B			21228

**INTERNATIONAL PATENT CLASS (V7):** G06F-017/60

...SPECIFICATION product or service identification information (such as a JAN code) from a computer for a **store** in which a bar code **scanner**, which has scanned the bar code information, is installed. The **bar code** information may be **transmitted** from the **bar code** information **transmitter** to the user's **mobile** communication **device** and scanned from the display device thereof by the **bar code** scanner. The product or service identification information, such as a JAN code, may include all...

...information and purchased product or service identification and quantity information from a computer for a **store** in which a bar code **scanner**, which has scanned the bar code information, is installed. The **bar code** information may be **transmitted** from the **bar code** information **transmitter** to the user's **mobile** communication **device** and scanned from the display device thereof by the **bar code** scanner. The electronic coupons can be registered so that a user can use a particular

...

...products or services for which the electronic coupon is valid from a computer for a **store** in which a bar code **scanner**, which has scanned the bar code information, is installed; and a sender for sending identification...

...store in response to the identification information request from the computer for the store. The **bar code** information may be **transmitted** from the **bar code** information **transmitter** to the user's **mobile** communication **device** and scanned from the display device thereof by the **bar code** scanner. Only data relating to the generated bar code information may be extracted from a...

...CLAIMS 6, further comprising a receiver for receiving bar code information scanned by a bar code **scanner** installed in a **store** and **transmitted** from a computer for the store,

    said **bar code** information being **transmitted** from said **bar code** information **transmitter** to a user's **mobile** communication **device** and displayed on said display device of the user's **mobile** communication **device** in the...

...information and identification information of a purchased product or service from a computer for a **store** in which a bar code **scanner** is installed,

    said **bar code** information being **transmitted** from said **bar code** information **transmitter** to a user's **mobile** communication **device** and scanned from said display device thereof by said **bar code** scanner.

9. The electronic coupon system set forth in any one of claims 1 to...

...identification of a purchased product or service and quantity information from a computer for a **store** in which a bar code **scanner** is installed, said **bar code** information being **transmitted** from the **bar code** information **transmitter** to a user's **mobile** communication **device** and scanned from said display device thereof by said **bar code** scanner.

10. The electronic coupon system set forth in any one of claims 1 to...

...corresponds to said **bar code** information received by said receiver from a computer for a **store** having a bar code **scanner**, said **bar code** information being **transmitted** from the **bar code** information **transmitter** to a user's **mobile** communication **device** and scanned from said display device thereof by said **bar code** scanner; and

    a sender for sending said identification information of said products or services for...23, further comprising a step of receiving bar code information scanned by a bar code **scanner** installed in a **store** and transmitted from a computer for the store,

    said **bar code** information being **transmitted** in said step of **transmitting** said **bar code** information to a user's **mobile** communication **device** and displayed on said display device of the user's **mobile** communication **device** in the...

...information and identification information of a purchased product or service from a computer for a **store** in which a bar code **scanner** is installed,

said bar code information being **transmitted** in said step of **transmitting** said **bar code** information to a user's **mobile** communication **device** and scanned from said display device thereof by said **bar code** scanner.

26. The electronic coupon providing method set forth in claim 24, further comprising a...

9/3,K/2 (Item 1 from file: 349)  
 DIALOG(R) File 349:PCT FULLTEXT  
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01095105 \*\*Image available\*\*

**HAND-HELD INVENTORY TRACKING AND AUTOMATED ORDER TRANSMISSION SYSTEM**  
**SYSTÈME PORTABLE AUTOMATISE DE TRANSMISSION DE COMMANDE ET DE SUIVI DE STOCK**

Patent Applicant/Assignee:

JOHNSON & JOHNSON VISION CARE INC, 7596 Centurion Parkway, Jacksonville, FL 32256, US, US (Residence), US (Nationality)

Inventor(s):

WANG Daniel Tsu-Fang, 5050 Rivebrook Ct., Jacksonville, FL 32277, US,  
 DUIS Donnie, 2288 Brentfield Road West, Jacksonville, FL 32225, US,  
 CORCORAN Catherine, 7748 Crosstree Lane, Jacksonville, FL 32256-2351, US,

PELGER Andrew, 5135 Derby Forest Dr. N, Jacksonville, FL 32258, US,  
 RAJA Ranganath R, 8916 Timberjack Lane, Jacksonville, FL 32256, US,

Legal Representative:

JOHNSON Philip S (et al) (agent), Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200417156 A2-A3 20040226 (WO 0417156)

Application: WO 2002US26002 20020815 (PCT/WO US02026002)

Priority Application: WO 2002US26002 20020815

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
 EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
 LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
 SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14771

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... management system implements a hand-held computer or Personal Digital Assistance (PDA) equipped with barcode **scanning** capability that may **read** and **store** the unique product identifying information, e.g., UPC, SKU, lot numbers, etc., provided as a **bar code** on the lens package label. Advantageously, the information gathered by the **PDA** is efficiently **transmitted** over existing telephonic communication infrastructures, e.g., wired telephony networks, directly to the lens

product...the PDA receives a message from the 1 0 manufacturer that it is OK to **transmit** the information to the manufacturer, i.e., there was a successful connection, then the **PDA** will **transmit** all data located in the scanned **barcode** list. In one embodiment, the data is transferred by FTP from the Dynamic Inventory Tracking...

...file will also be removed. In one embodiment, the PDA equipped with a bar code **scanner** will **store** information associated with each package **scan** whether it be for inventory tracking or ordering purposes and accumulate and delimit all of...

9/3, K/3 (Item 2 from file: 349)  
 DIALOG(R) File 349: PCT FULLTEXT  
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01060154 \*\*Image available\*\*

**WIRELESS SHOPPING SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE D'ACHAT SANS FIL**

Patent Applicant/Assignee:

COMPUTER ASSOCIATES THINK INC, One Computer AssociateS Plaza, Islandia, NY 11749, US, US (Residence), US (Nationality)

Inventor(s):

DIVEKAR Sandeep, 1311 Valley Heart Drive, Burbank, CA 91506, US,

Legal Representative:

JACOBS James David (et al) (agent), Baker & McKenzie, 805 Third Avenue, New York, NY 10022, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200390145 A1 20031030 (WO 0390145)

Application: WO 2002US12175 20020419 (PCT/WO US0212175)

Priority Application: WO 2002US12175 20020419

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8506

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... device 105,

but rather data only about the specific scanned item, wireless transceiver/receiver 210 **transmits** data indicating the user request and the **bar code** number for the scanned item to **wireless device** communication unit 120 of service provider 115 via communication network

19

(step 450). Processor 125...

...the item along with corresponding

prices. As described above, the user can then purchase the **scanned** item from one of the indicated **merchants** or the **merchant** at which the item was **scanned**.

Once the user receives the scanned item data and/or similar item data, the user...

**9/3,K/4 (Item 3 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT  
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00987444 \*\*Image available\*\*  
**HAND-HELD INVENTORY TRACKING AND AUTOMATED ORDER TRANSMISSION SYSTEM**  
**SYSTEME PORTATIF DE SUIVI DE L'INVENTAIRE ET SYSTEME DE TRANSMISSION**  
**AUTOMATIQUE DES COMMANDES**

Patent Applicant/Assignee:

JOHNSON & JOHNSON VISION CARE INC, 7596 Centurion Parkway, Jacksonville, FL 32256, US, US (Residence), US (Nationality)

Inventor(s):

WANG Daniel, \*, --,  
DUIS Donnie, 3657 Shawnee Shores Drive, Jacksonville, FL 32225, US,  
CORCORAN Catherine, \*, --,  
PELGER Andrew, \*, --,  
RAJA Ranganatha, \*, --,

Legal Representative:

JOHNSON Philip S (et al) (agent), Johnson & Johnson, One Johnson & Johnson Plaza, New Brunswick, NJ 08933-7003, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200317058 A2-A3 20030227 (WO 0317058)

Application: WO 2002US26114 20020815 (PCT/WO US02026114)

Priority Application: US 2001312635 20010815

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14669

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... management system implements a hand-held computer or Personal Digital Assistance (PDA) equipped with barcode **scanning** capability that may **read** and **store** the unique product identifying information, e.g., LJPC, SKU, lot numbers, etc., provided as a **bar code** on the lens package label. Advantageously, the information gathered by the **PDA** is efficiently **transmitted** over existing telephonic communication infrastructures, e.g., wired telephony networks, directly to the lens product...the PDA receives a message from the I O manufacturer that it is

OK to **transmit** the information to the manufacturer, i.e., there was a successful connection, then the **PDA** will **transmit** all data located in the scanned **barcode** list. In one embodiment, the data is transferred by FTP from the Dynamic Inventory Tracking...file will also be removed. In one embodiment, the PDA equipped with a bar code **scanner** will **store** information associated with each package **scan** whether it be for inventory tracking or ordering purposes and accumulate and delimit all of ...

9/3,K/5 (Item 4 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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00881939

**IMPROVED METHOD AND SYSTEM OF EFFECTING A FINANCIAL TRANSACTION  
 PROCEDE ET SYSTEME AMELIORES D'EXECUTION D'UNE TRANSACTION FINANCIERE**

Patent Applicant/Assignee:

TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), S-126 25 Stockholm, SE, SE  
 (Residence), SE (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SIMONDS Grant, 45 Junction Street, Newport, VIC 3015, AU, AU (Residence),  
 AU (Nationality), (Designated only for: US)

Legal Representative:

ERICSSON MOBILE COMMUNICATIONS AB (agent), IPR Department, S-221 83 Lund,  
 SE,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200215062 A2 20020221 (WO 0215062)

Application: WO 2001EP9496 20010817 (PCT/WO EP0109496)

Priority Application: AU 20009524 20000818; US 2000252000 20001207

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
 CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM  
 DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID  
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ  
 NO NZ PH PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ  
 UA UG US UZ VN YU ZA ZW  
 (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3833

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... from an actual store in their own time.

As confirmation of the purchase, the online **retailer** would send to the purchaser a machine- **readable** image/code, such as a barcode. This barcode

may once again be **sent** directly to the purchaser's portable electronic device, such as their **mobile phone**, or **sent** to the user by any other electronic means, so that the **barcode** may be transferred 38 to

the **mobile phone** . The purchaser WO 02/15062 PCT/EPOI/09496  
8  
If there are conditions of use...

**9/3,K/6 (Item 5 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2006 WIPO/Univentio. All rts. reserv.

00851721  
**SYSTEM TO PROVIDE DISCOUNT AMOUNTS FOR PERFORMANCE OF WORK ASSIGNMENTS**  
**SYSTEME CONCU POUR FOURNIR DES RABAIS POUR L'EXECUTION D'ATTRIBUTIONS DE**  
**TACHES**

Patent Applicant/Assignee:

WALKER DIGITAL LLC, Five High Ridge Park, Stamford, CT 06905, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

WALKER Jay S, 124 Spectacle Lane, Ridgefield, CT 06877, US, US  
(Residence), US (Nationality), (Designated only for: US)  
FINCHAM MIK Magdalena, 3 Valley View Road #24, Norwalk, CT 06851, US, US  
(Residence), US (Nationality), (Designated only for: US)  
KOBAYASHI Michiko, 59 Somerset Lane, Stamford, CT 06903, US, US  
(Residence), US (Nationality), (Designated only for: US)  
TALWALKAR Nandu A, 75 Summer Street, New Canaan, CT 06840, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

ALDERUCCI Dean P (agent), Walker Digital Corporation, Five High Ridge  
Park, Stamford, CT 06905, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200184445 A2 20011108 (WO 0184445)

Application: WO 2001US14236 20010502 (PCT/WO US0114236)

Priority Application: US 2000201339 20000502; US 2000605640 20000628

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 19264

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... S 1 71 0, a customer logs on to a network located within a retail  
store using his **PDA** . The customer then **scans** a **bar code** located  
on a desired product using the **PDA** and selects a **Transmit** Request  
function offered by the program 400 executing on the PDA. In response, a  
customer...

**9/3,K/7 (Item 6 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT  
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00774525 \*\*Image available\*\*

**INTERNET PURCHASING AND ORDER FULFILLMENT SYSTEM**  
**SYSTEME D'ACHAT ET D'EXECUTION DE COMMANDES SUR INTERNET**

Patent Applicant/Assignee:

UPU VENTURES INC, 542 Lakeside Drive #9, Sunnyvale, CA 94086, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

LYONS Kevin, 4 Admiral Drive, Suite 436, Emeryville, CA 94608, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GOREN David J, Fish & Richardson P.C., 2200 Sand Hill Road #100, Menlo Park, CA 94025, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200108071 A1 20010201 (WO 0108071)

Application: WO 2000US20080 20000721 (PCT/WO US0020080)

Priority Application: US 99145359 19990722; US 99145403 19990723; US 99372657 19990811

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11600

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Detailed Description

Detailed Description

... create a list of products. Also, the buyer can add products to the list by **scanning** the **barcodes** on goods displayed in a **store**.

Once the list is assembled, the **PDA** can **transmit** an electronic message to the purchasing system with the product IDs to purchase the goods...

Set        Items        Description  
S1        963788        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
              OR TRANSFER? OR RELAY?  
S2        28178        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
              MERCHANTISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
              ERSAL()PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU  
S3        113618        (HAND()HELD OR HANDHELD OR CELL OR CELLULAR OR CORDLESS OR  
              MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR DEVICE? ? OR  
              EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ?  
              OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT?  
              OR BLACK(  
S4        688470        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
              CAL(1W)READER  
S5        256532        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
              RETAILER? OR SELLER? OR STORE OR STORES  
S6        64        S1 AND S2 AND S3  
S7        10642        S4 AND S5  
S8        5        S6 AND S7  
S9        25        S6 AND S4  
S10        25        RD (unique items)  
S11        18        S10 NOT PY>2000  
File        2:INSPEC 1898-2006/May W2  
              (c) 2006 Institution of Electrical Engineers  
File        35:Dissertation Abs Online 1861-2006/Apr  
              (c) 2006 ProQuest Info&Learning  
File        65:Inside Conferences 1993-2006/May 22  
              (c) 2006 BLDSC all rts. reserv.  
File        99:Wilson Appl. Sci & Tech Abs 1983-2006/Apr  
              (c) 2006 The HW Wilson Co.  
File 474:New York Times Abs 1969-2006/May 19  
              (c) 2006 The New York Times  
File 475:Wall Street Journal Abs 1973-2006/May 19  
              (c) 2006 The New York Times  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
              (c) 2002 The Gale Group

NPL  
search

11/5/1 (Item 1 from file: 2)  
 DIALOG(R)File 2:INSPEC  
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06864566

**Title: Calvin Klein's warehouse is designed for success**

Author(s): Beale, S.  
 Journal: ID Systems European Edition vol.6, no.3 p.14-16  
 Publisher: Helmers Publishing,  
 Publication Date: March 1998 Country of Publication: USA  
 CODEN: ISEEEE ISSN: 1081-275X  
 SICI: 1081-275X(199803)6:3L.14:CKWD;1-G  
 Material Identity Number: B070-98003  
 Language: English Document Type: Journal Paper (JP)  
 Treatment: Practical (P)

Abstract: At Calvin Klein's Italian warehouse, RFDC moves 10 million items a year. Finished goods arrive folded in large cartons and are unloaded in the clearing/sorting area where workers manually check in the goods received, using paper packing lists that arrive with each shipment. Goods are then passed on to quality control where they are inspected for defects. From quality control, goods are key entered into a PC workstation running the warehouse management system. Software, supplied by Calvin Klein's logistic supplier, TecnoLogistica, uses an Oracle database, held on a PC network running under Windows NT. As each item is registered, the TecnoLogistica system **sends** a print command to Intermec 3400 thermal **transfer** printers, linked to the PC via RS-232 port. The 3400s generate EAN 128 **bar codes** that encode the type of garment, size, and color, and include a check digit unique to Calvin Klein-in an average year, the facility will print some six million individual **bar codes**. Operators manually apply the label to the garment and then **scan** it with **portable Janus 2020 terminals** with integrated laser **scanners**. (0 Refs)

Subfile: D

Descriptors: **bar codes**; integrated software; radio data systems; relational databases; stock control; textile industry; warehouse automation

Identifiers: Calvin Klein Italian warehouse; PC workstation; warehouse management system; TecnoLogistica; Oracle database; PC network; Windows NT; print command; Intermec 3400 thermal **transfer** printers; RS-232 port; EAN 128 **bar codes**; check digit; garments; **portable Janus 2020 terminals**; integrated laser **scanners**; RF data communication

Class Codes: D2140 (Marketing, retailing and distribution); D2070 (Industrial and manufacturing); D2080 (Information services and database systems); D5030 (Printers and other peripherals); D4045 (Mobile communications)

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11/5/2 (Item 2 from file: 2)  
 DIALOG(R)File 2:INSPEC  
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06188449 INSPEC Abstract Number: B9603-6250F-162, C9603-5620-038

**Title: A testbed for mobile networked computing**

Author(s): Agrawal, P.; Asthana, A.; Cravatts, M.; Hyden, E.; Krzyzanowski, P.; Mishra, P.; Narendran, B.; Srivastava, M.; Trotter, J.

Author Affiliation: AT&amp;T Bell Labs., Murray Hill, NJ, USA

Conference Title: ICC '95 Seattle. Communications - Gateway to Globalization. 1995 IEEE International Conference on Communications (Cat. No.95CH35749) Part vol.1 p.410-16 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA 3 vol. xxviii+1985

pp.

ISBN: 0 7803 2486 2 Material Identity Number: XX95-01114  
 U.S. Copyright Clearance Center Code: 0 7803 2486 2/95/\$4.00  
 Conference Title: Proceedings IEEE International Conference on  
 Communications ICC '95

Conference Sponsor: IEEE Commun. Soc.; IEEE Seattle Sect  
 Conference Date: 18-22 June 1995 Conference Location: Seattle, WA, USA  
 Language: English Document Type: Conference Paper (PA)  
 Treatment: Applications (A); Practical (P)

Abstract: The rapid deployment of wireless access technology, along with the emergence of high speed integrated service networks, promises to provide users with ubiquitous access to multimedia information in the near future. We are building an experimental testbed system, SWAN (Seamless Wireless ATM Network), to mimic this emerging networking environment. Our wireless access network is organized according to a nanocellular design with base stations serving as a gateway for communication between the wired network and the mobile hosts in a cell. Normally, a mobile host **sends** and receives traffic through the base station in its current cell. But SWAN also supports direct ephemeral networking between a limited number of cooperating mobile hosts within a small domain. The heart of the testbed is a networking subsystem, FAWN (Flexible Adapter for Wireless Networking) that interfaces the standard PCMCIA bus to an RF modem. The FAWN interface is used with a PC or workstation connected to a wired backbone network or a **portable device** such as a laptop or palmtop computer. In addition, a user interface consisting of an LCD display, audio I/O, and a **bar code reader** has been built. When interfaced with FAWN this results in a **portable wireless multimedia terminal**. (11 Refs)

Subfile: B C

Descriptors: asynchronous **transfer** mode; cellular radio; computer networks; mobile radio; modems; multimedia communication; subscriber loops; telecommunication terminals; test facilities; user interfaces

Identifiers: mobile networked computing; user interface; wireless access technology; high speed integrated service networks; multimedia information; experimental testbed system; SWAN; Seamless Wireless ATM Network; networking environment; nanocellular design; base stations; gateway; wired network; mobile hosts; networking subsystem; LCD display; Flexible Adapter for Wireless Networking; PCMCIA bus; RF modem; FAWN interface; workstation; **portable wireless multimedia terminal**; wired backbone network; **barcode reader**

Class Codes: B6250F (Mobile radio systems); B6210L (Computer communications); B6220B (Subscriber loops); B6220F (ISDN and multimedia terminal equipment); B0170E (Production facilities and engineering); C5620 (Computer networks and techniques); C6180 (User interfaces)

Copyright 1996, IEE

11/5/3 (Item 3 from file: 2)  
 DIALOG(R)File 2:INSPEC  
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05532713

**Title: Streamlining the supply chain (retailing)**  
 Journal: International Journal of Retail & Distribution Management p.  
 XI-XII  
 Publication Date: Summer 1993 Country of Publication: UK  
 CODEN: IRDMEQ ISSN: 0959-0552  
 Language: English Document Type: Journal Paper (JP)  
 Treatment: Theoretical (T)  
 Abstract: The grocery wholesaler Londis was struggling to meet the needs of its owners, the 1500 independent food retailers who are also its

customers. Londis devised an IT solution to overcome its problems. Following pilot trials, a versatile EPoS system was refined and made available to retailers. But there were benefits beyond those recognized for retail EPoS. The system developed was able to interwork with Londis warehouse computers, enabling retailers to place orders electronically and maintain a product portfolio. For small stores, the company commissioned an interesting hybrid order system. The retailer uses a **hand - held terminal** and a regularly printed catalogue of merchandise with **barcodes**. The required goods are selected by **wand**, then the terminal **transmits** the order to the wholesaler over an ordinary telephone line. Londis has also introduced an EDI system. (0 Refs)

Subfile: D

Descriptors: electronic data interchange; point of sale systems; portable computers; retailing; stock control data processing

Identifiers: stock control; grocery wholesaler; Londis; EPoS system; warehouse computers; **hand - held terminal**; **barcodes**; EDI system

Class Codes: D2140 (Marketing, retailing and distribution)

11/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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05475352 INSPEC Abstract Number: C9310-7180-003

Title: Set phasers on stun, Mr. Spock: taking aim at the control implications of wireless networks

Author(s): Howells, M.

Author Affiliation: Nordstrom Inc., Seattle, WA, USA

Journal: EDPACS vol.20, no.12 p.1-13

Publication Date: June 1993 Country of Publication: USA

CODEN: EDPCDF ISSN: 0736-6981

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: This article explores the control implications of one example of the introduction of new technology to an organization-the use of **hand - held** laser **terminals** as input devices on a radio frequency network. To support this business need, Nordstrom began developing an enhanced inventory management system. Central to the new system is the ticketing of each piece of merchandise with a **bar - coded** price tag that indicates the item's price and description. This information is **scanned** as input into the system at the point-of-sale register. The inventory management component that collects data-and is the focus of this article-is the merchandise **transfer** system. The two major activities of this system are: recording the receipts of merchandise from vendors at the stores; and tracking merchandise as it is **transferred** between the stores. (0 Refs)

Subfile: C

Descriptors: **bar codes**; mark **scanning** equipment; point of sale systems; stock control data processing

Identifiers: **hand - held** laser **terminals**; input devices; radio frequency network; Nordstrom; inventory management system; **bar - coded**; point-of-sale register; merchandise **transfer** system

Class Codes: C7180 (Retailing and distribution); C7160 (Manufacturing and industry); C5590 (Other peripheral equipment)

11/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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05004676 INSPEC Abstract Number: D91003011

**Title:** A revolution in distribution ( bar - code readers and radio transmitters)

Author(s): Parker, J.

Journal: InformationWEEK no.339 p.36, 40

Publication Date: 23 Sept. 1991 Country of Publication: USA

CODEN: INFWE4 ISSN: 8750-6874

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

**Abstract:** **Bar - code readers** and radio **transmitters** aided by the use of the radio waveband, are creating a revolution in distribution and inventory control. Manufacturers and retailers are turning to wireless local area networks that utilize radio frequency-based data collection to speed delivery, track production, and improve inventory control. One such retailer is K mart Corporation which originally installed radio frequency (RF) technology in 1984 as part of its first point-of-sale **scanning** systems, and has more recently expanded those systems to include inventory and ordering applications. Essentially, that means taking a hand-held laser **scanner** and attached **hand - held terminal** to the display rack, **scanning** the items on the rack, reviewing the retrieved information on the terminal's screen, and then punching in the appropriate merchandise order. **Transmitters** carry the signal to the store network's file server via an intrastore cellular radio network. Each store's network is in turn linked by satellite to warehouse computer systems. Microsoft Corporation operates a similar system which is briefly discussed. Frequency allocation for such systems is also discussed. (0 Refs)

Subfile: D

Descriptors: frequency allocation; local area networks; mark **scanning** equipment; mobile radio systems; stock control data processing

Identifiers: frequency allocation; **bar - code readers** ; radio **transmitters** ; wireless local area networks; frequency-based data collection; inventory control; K mart Corporation; hand-held laser **scanner** ; **hand - held terminal** ; file server; intrastore cellular radio network; warehouse computer systems; Microsoft Corporation

Class Codes: D2070 (Industrial and manufacturing); D5020 (Networks and inter-computer communications); D4045 (Mobile communications)

11/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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03324919 INSPEC Abstract Number: B84054058, C84042797

**Title:** Production data acquisition terminals with new capabilities for the Siemens 300 systems

Author(s): Furter, G.

Author Affiliation: Siemens AG, Erlangen, West Germany

Journal: Siemens Power Engineering vol.6, no.3 p.161-3

Publication Date: May-June 1984 Country of Publication: West Germany

CODEN: SPOEDG ISSN: 0170-950X

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

**Abstract:** Due to their widespread acceptance in industry, the data acquisition terminals of the 3800 range have been upgraded. The BC 300 **bar - code reader** terminal has been added to the range and supplements and family of low-cost terminals. Also new is the infrared data transmission system consisting of the 3803 **hand - held terminal**, the 3806 data acquisition terminal, **relay** stations, a modem and the AG 86 interface module. (0 Refs)

Subfile: B C

Descriptors: computer peripheral equipment; data acquisition; data

communication equipment

Identifiers: Siemens 3800 terminal range; data communication equipment; computer peripheral equipment; Siemens 300 systems; data acquisition terminals; BC 300 **bar - code reader** terminal; low-cost terminals; infrared data transmission system; 3803 **hand - held terminal**; 3806 data acquisition terminal; **relay** stations; modem; AG 86 interface module

Class Codes: B6210 (Telecommunication applications); C3210B (Recorders and indicators); C5520 (Data acquisition equipment and techniques); C5600 (Data communication equipment and techniques)

11/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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03301924 INSPEC Abstract Number: C84039423, D84002377

**Title: Labels, labels, labels**

Journal: Modern Office Technology vol.29, no.7 p.78-80

Publication Date: July 1984 Country of Publication: USA

CODEN: MOFTDB ISSN: 0026-8208

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G); Practical (P)

Abstract: Equipped with a new **bar code** labelling system, the US Department of Agriculture's National Finance Center (NFC) in New Orleans has trimmed inventory costs by two-thirds while improving the accuracy of its yearly capital goods inventory. The Legitronic System (terminal and printer), from Weber Marking Systems, Arlington Heights, IL, is linked to an IBM mainframe using a 9600 baud modem. Weber connected the **bar code** labelling device to the mainframe with the help of the NFC. The system's main task is generating 1" \*3" property identification labels. Each label contains a **bar code** (Code 39, a government standard) and three lines of data written in English. On one of these lines is a 12-digit number that the NFC uses to identify capital goods files, which are stored in the computer. When it is time to inventory capital goods, employees at the numerous agency locations 'read' the **bar code** labels with fibre optic **hand - held wand / terminals**. The information is **transferred** to the NFC computer in New Orleans where it is compared to the master inventory file. After the comparison, the computer generates a hard copy 'exception' report. (0 Refs)

Subfile: C D

Descriptors: mark **scanning** equipment; stock control data processing

Identifiers: US Department of Agriculture; **bar code** labelling; National Finance Center; inventory costs; capital goods inventory; Legitronic System; Weber Marking Systems; IBM; 9600 baud modem; property identification labels; capital goods files

Class Codes: C5530 (Pattern recognition equipment); C7160 (Manufacturing and industry); D2140 (Marketing, retailing and distribution); D5030 (Printers and other peripherals)

11/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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03158621 INSPEC Abstract Number: C84002166

**Title: Hand - held terminals forward remote data to host system over all-electronic path**

Author(s): Janusz, J.

Author Affiliation: MSI Data Corp., Costa Mesa, CA, USA

Journal: Electronic Design vol.31, no.16 p.179-82

Publication Date: 4 Aug. 1983 Country of Publication: USA

CODEN: ELODAW ISSN: 0013-4872

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Large distributed data-processing systems are increasingly being enhanced by **hand - held terminals** dedicated to collecting data for such jobs as **reading** utility meters, controlling inventory, or **scanning bar codes**. Several attributes make the terminals ideal for remote applications, including programmability, onboard intelligence, and communication with a host computer over phone lines. The author describes a **hand - held terminal** by which collecting data and then **transmitting** it to a host over telecommunication lines, a completely electronic data route is established that speeds data entry and helps promote a more accurate exchange of information. (0 Refs)

Subfile: C

Descriptors: interactive terminals

Identifiers: **hand - held terminals**; remote data; host system; all-electronic path; distributed data-processing systems; utility meters; **bar codes**; programmability; onboard intelligence; electronic data route

Class Codes: C5540 (Terminals and graphic displays)

**11/5/9 (Item 1 from file: 99)**

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2006 The HW Wilson Co. All rts. reserv.

1324636 H.W. WILSON RECORD NUMBER: BAST96022392

**RFDC: more capability and options than ever**

Schwind, Gene F;

Material Handling Engineering v. 51 (Mar. '96) p. 101-2+

DOCUMENT TYPE: Feature Article ISSN: 0025-5262 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: Radio frequency data communication (RFDC) technology has expanded its capabilities and options. RFDC is the main technology for any mobile computing data input/output and facility management where **portable devices** are involved. Almost any device that can **transmit** data over a wire network can now **transmit** by radio signals. The development of lower-cost RFDC and more effective interfacing equipment means that RFDC can provide more options and functions than previously. Bar coding everything will further enhance the functionality of an RFDC system, as **bar code reading** is a common application of radio frequency technology. Neither RFDC's application nor its compliance to the various I/O terminals is at its full potential. However, it is already replacing hard wiring in security systems and may possibly be used for asset tracking.

DESCRIPTORS: Radio transmission--Data transmission systems;

**11/5/10 (Item 1 from file: 583)**

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09267956

GE Appliances Reveals Consumer Benefits of Concept Smart Appliances

US: NEW REFRIGERATOR BE GE APPLIANCES

Press Release (GE Appliances) (PRS) 06 Apr 2000 p.e

Language: ENGLISH

At the annual Kitchen and Bath Show in Chicago on 7-9 April 2000, GE

Appliances will display a web-enabled refrigerator with a detachable wireless pad. It has a **bar code scanner**, which allows users to take a food inventory, build a shopping list and even alert them to ingredients they may be allergic to. The refrigerator will also let users know if the door is left open, **communicating** by a number of methods, including **cell phone**, pager and wireless pad.

COMPANY: GE APPLIANCES

PRODUCT: Refrigerators & Freezers (3632);

EVENT: General Management Services (26); Product Design & Development (33);

COUNTRY: United States (1USA);

**11/5/11 (Item 2 from file: 583)**

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06635883

Mit Datenfunk jeder **Sendung** auf der Spur

GERMANY: SCHENKER IS A PIONEER IN DATA RADIO

Handelsblatt (HT) 28 May 1998 p.55

Language: GERMAN

German transport and forwarding group Schenker Eurocargo AG, a company of the Stinnes AG, is to furnish around 1,700 trucks with mobile on-board communication by October 1998. This will close the last gap in the tracking and tracing of freight transports. Schenker is investing DM 6mn in the electronic tracking and tracing system, which is based on **bar code** technology. Schenker claims to be the first company in Germany that will have a complete tracking and tracing system. So far these systems have been offered almost exclusively by courier services. In addition to **bar code** and **scanner** technology, Schenker also bets on communication by **mobile phone**. Schenker uses the D2 network of Mannesmann Mobilfunk for voice and data communication. The Schenker trucks will be equipped with a satellite-based tracking and tracing system, so far however not for short-haul transports.

COMPANY: MANNESMANN MOBILFUNK; SCHENKER EUROCARGO; STINNES

PRODUCT: Road Haulage (4210); Transportation (4000); Motor Vehicles & Parts (3710); Navigation Systems (3662NS); Computers & Auxiliary Equip (3573);

EVENT: General Management Services (26); Product Design & Development (33); Marketing Procedures (24);

COUNTRY: Germany (4GER);

**11/5/12 (Item 3 from file: 583)**

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06480068

ERICSSON DELIVERS MOBILE COMPUTER SOLUTION TO POST OFFICE

SWEDEN: ERICSSON DELIVERS COMPUTERS TO POSTEN

Pressrelease (ESK) 06 Jun. 1997 p. 1

Language: SWEDISH

Ericsson Mobile Communications AB Sweden has been awarded a contract from Posten Logistik AB, the logistics service of the Swedish Post Office around

the delivery of a mobile computer system with 1500 **portable terminals communicating** via GSM and Mobitex. The terminals are equipped with scanners, separate printers and equipment for wireless communication to a GSM server. Customers can receive information via the Internet or telephone. Installations will begin this July and the system will be **ready** for operation in September 1997. Customers can now trace mailed items, or receive **confirmation** that items have arrived, and data on who received the items in the mail. This system is the first of its kind for the Swedish post office.

COMPANY: MOBITEX; GSM; SWEDISH POST OFFICE; POSTEN; POSTEN LOGISTIK; ERICSSON; ERICSSON MOBILE COMMUNICATIONS  
PRODUCT: Mail & Express Services (4310); Data Communications Equipment (3661DC); Laptop Computers (3573LC); General Management Services (9916);  
EVENT: Capital Expenditure (43); Use of Materials & Supplies (46);  
Contracts & Orders (61);

11/5/13 (Item 4 from file: 583)  
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04646756  
Radio data link saves your legs  
UK - ANT OFFERS DATAFON  
Electrical Review (ELR) 28 November 1991 p43  
ISSN: 0013-4384

ANT Telecommunications (Uxbridge, UK) has launched Datafon, a **mobile terminal** which can **transmit** data over a radio link at 1,200 bits/second. The mobile unit incorporates 80 character liquid crystal display. Data is input by the user via the keypad on the unit or via a **bar code reader** or RS232 port. The terminal offers 1Mbyte RAM.\*\*

COMPANY: ANT TELECOMMUNICATIONS  
PRODUCT: Mobile Data Communications Svcs (4811MD);  
EVENT: NEW PRODUCT EXTENSION (33);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

11/5/14 (Item 5 from file: 583)  
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03824288  
Woolworths ends its four-year wait for IT  
UK - WOOLWORTHS AWARDS IT CONTRACT TO PHILIPS  
Computer Weekly (CRW) 1 November 1990 p3  
ISSN: 0010-4787

Woolworths has awarded a GBP1.2 mil contract to Philips for the provision of around 800 P3345 80386 PC machines. **Hand - held terminals with bar code readers** which record stock held will input data into the PCs, which will then feed the information into central ICL System 25 minis. These act as communications processors for the collection and **transferral** of data to an Amdahl mainframe.\*\*

PRODUCT: Electronic Point of Sale Systems (3573EP); Microcomputers (3573MI

);  
EVENT: CONTRACTS & ORDERS (61);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

**11/5/15 (Item 6 from file: 583)**  
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02064266  
ANRITSU LAUNCHES WIRELESS LAN  
JAPAN - ANRITSU LAUNCHES WIRELESS LAN  
Office Equipment & Products (OEP) 0 August 1988 p23  
ISSN: 0387-5245

Anritsu is launching a wireless LAN which has a range of 200m outdoors and 100m indoors. A weak-power radio communication network is used to connect remote terminals including a communication controller which will change protocols, give service area control, self monitoring and testing, and a distributed base station wireless which can accomodate up to 10 portable wireless units. The base station unit will **transmit** at 2 Mbit/s using a coaxial cable connected to the LAN. The unit can become a **mobile data terminal** as it can be fitted with a **bar - code scanner**. Anritsu aims to sell 20 systems during 1988 and over the next five years, 300 systems.

PRODUCT: Local Area Network Equip (3661LA); Telecom Test Equipment (3825TT); Local Area Networks (4811LA); Mobile Data Communications Svcs (4811MD);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: Japan (9JPN); OECD Pacific (915);

**11/5/16 (Item 7 from file: 583)**  
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01468449  
DIS INTRODUCES MOBILE DATA AND TELEMETRY PRODUCTS  
UK - DIS INTRODUCES MOBILE DATA AND TELEMETRY PRODUCTS  
Fleet News (FTN) 20 November 1987 p4

Dowty Information Systems has introduced a range of mobile data and telemetry systems. Products include Autoprint systems for two-way radio and Band III, a new **bar code reading** interface, Microcat telemetry system and cellular data communications. Autoprint mobile systems **transmit** data at speeds up to 2,400bps and provide secure communications.

PRODUCT: Marine Telemetry (3662MA); **Mobile** Communications **Equipment** (3662MB); Mobile Communications Svcs (4811MC); Mobile Data Communications Svcs (4811MD); Paging Services (4838PG); Military Ships (DESE);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

**11/5/17 (Item 8 from file: 583)**  
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01316371

MOBILE DATA COMMS FOR FEDERAL EXPRESS  
US - MOBILE DATA COMMS FOR FEDERAL EXPRESS  
High Technology Bulletin (HTB) 0 September 1987 p10

A one-page article looks at use by Federal Express in the US of a mobile data comms system. Drivers in the company's package-delivery fleet have **bar - code scanners** produced by Handheld Products which are used to **scan bar - code** identification labels on packages, the information being stored in communications cradles installed in trucks and **transmitted** back to a terminal, giving managers instant reports on fleet activities.

PRODUCT: **Mobile Communications Equipment** (3662MB); Mobile Communications Svcs (4811MC); Mobile Data Communications Svcs (4811MD);  
EVENT: LAND USE/PURCHASE/SALES (41);  
COUNTRY: United States (1USA); NATO Countries (420); South East Asia Treaty Organisation (913);

11/5/18 (Item 9 from file: 583)  
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01188277  
PRICEMASTER INTRODUCES NEW PRINTERS AND **SCANNERS**  
UK - PRICEMASTER INTRODUCES NEW PRINTERS AND **SCANNERS**  
New In Printing (NIP) 0 June 1987 p21

Pricemaster has introduced computer-based **barcode** tag printers and data capture **scanners**. A **portable terminal** system with **barcode reader**, modem and printer are intended especially for retailers and are all contained in an aluminium case. The new system is capable of directly **transmitting** messages and files between a central office and branches.\*

PRODUCT: Label Printing (2750LA); Security Printing (2750SP);  
EVENT: PRODUCTS, PROCESSES & SERVICES (30);  
COUNTRY: United Kingdom (4UK); OECD Europe (415); NATO Countries (420);  
South East Asia Treaty Organisation (913);

Set        Items        Description  
 S1        963788      COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
               OR TRANSFER? OR RELAY?  
 S2        28178        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
               MERCHANTISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
               ERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU  
 S3        113618        (HAND()HELD OR HANDHELD OR CELL OR CELLULAR OR CORDLESS OR  
               MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR DEVICE? ? OR  
               EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ?  
               OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT?  
               OR BLACK(  
 S4        688470        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
               CAL(1W)READER  
 S5        256532        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
               RETAILER? OR SELLER? OR STORE OR STORES  
 S6        64        S1 AND S2 AND S3  
 S7        10642        S4 AND S5  
 S8        5        S6 AND S7  
 S9        25        S6 AND S4  
 S10       25        RD (unique items)  
 S11       18        S10 NOT PY>2000  
 S12       3518        (MOBILE OR M OR WIRELESS) (1W) (COMMERCE OR ECOMMERCE OR E() -  
               COMMERCE OR BUSINESS OR PAYMENT? OR SETTL?) OR MCOMMERCE OR P-  
               OINT(1W) PAY  
 S13       10        S12 AND S2 AND S3  
 S14       10        RD (unique items)  
 S15       4        S14 NOT PY>2000  
 S16       4        RD (unique items)  
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16/5/1 (Item 1 from file: 474)  
 DIALOG(R)File 474:New York Times Abs  
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07759099 NYT Sequence Number: 070238000302  
**WILL THAT BE CASH OR CELL PHONE ?: WIRELESS PAYMENT SYSTEMS MIGHT  
 MEAN DIALING INTO YOUR OWN WALLET**

Hafner, Katie  
 New York Times, Col. 1, Pg. 1, Sec. G  
 Thursday March 2 2000  
 DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English  
 RECORD TYPE: Abstract

**ABSTRACT:**

**Cellular telephones** seen playing increasingly important role in future of e-commerce, or as process indicates, **m-commerce** (mobile), allowing users to dial in a purchase **confirmation**; prototype of **mobile payment** system, PayPal.com, owned in part by Nokia OY, Finnish cellular giant, works like this: after opening an account on company's Web site, people can send money to one another via e-mail; once the money is sent, the amount is charged to credit card or bank account; various scenarios present for using process in making retail purchases; Richard Siber, analyst at Andersen Consulting, Boston, says while it will be years before **m-commerce** takes hold, when it does it will be bigger than e-commerce; photos; diagram of **m-commerce** system (L)

SPECIAL FEATURES: Diagram; Photo

COMPANY NAMES: PayPal.com; Nokia Oy Ab

DESCRIPTORS: Retail Stores and Trade; Telephones and Telecommunications; **Cellular Telephones**; Computers and the Internet; Sales; Retail Stores and Trade

PERSONAL NAMES: Hafner, Katie; Siber, Richard

16/5/2 (Item 1 from file: 583)  
 DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09378277  
 Siemens beteiligt sich am Softwarespezialisten Brokat  
 GERMANY: SIEMENS, BROKAT COOPERATE  
 Frankfurter Allgemeine Zeitung (AUI) 04 Oct 2000 p.21  
 Language: GERMAN

The market for **m-commerce**, i.e. online purchases via **mobile phone**, will grow significantly. In order to take advantage of this development, Siemens acquired a stake of 3% in the software specialist Brokat <which is active in the segment of electronic payment>. Before the end of 2000, the allies are planning to develop a marketable solution for the immediate payment of online purchases via **mobile phone**. Brokat will contribute its real-time technology, which combines order and payment in one transaction. The payment **confirmation** is immediately shown on the **mobile phone** display. The amount due can be debited to the account of the phone owner through a credit card company, the operator of a mobile communication network or a service provider. It is also feasible to deduct the amount immediately from a prepaid card. Siemens has the know-how in prepaid technology and is the world market leader in the segment of prepaid cards for **mobile phones**. With the help of cooperations, Siemens wants to expand the mobile solutions unit in its mobile communication division into a third standing leg. The **mobile** solutions **business** so far accounts for less than 10% of Siemens group's total **mobile** communication **business**.

The share is to be raised to one-third within the coming three years.

COMPANY: BROKAT; SIEMENS

PRODUCT: Commercial Banks (6020); Consumer Finance Institutions (6140);  
Nonbank Credit Card Firms (6141); Communications Equipment (3660);  
Computer Services (7370);

EVENT: Research & Development Activity (45); Company Formation (14);

COUNTRY: Germany (4GER);

**16/5/3 (Item 2 from file: 583)**

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06610397

Autostrade migliora il bilancio e approva lo sbarco nelle tlc

ITALY: AUTOSTRADE ANNOUNCES RESULTS

Il Sole 24 Ore (ISO) 01 Apr 1998 p.

Language: ITALIAN

The Italian motorway operator Autostrade (100% owned by IRI) has increased net consolidated profits by 66.7% to L 267bn in 1997, compared to 1996. The turnover has totalled L 3,434bn (+5.5%). The gross operating margin has reached L 1,824bn (+8%) and the return-on-equity rate has increased by 2.6% to 7.8%. At the same time, Autostrade, through its subsidiary Autostrade Telecommunicazioni, has announced its intention of applying for a telecoms licence. No official **confirmations** have been given by the company regarding possible alliances in the **mobile phone business** with Itainvest and a Hong Kong-based operator. \*

COMPANY: AUTOSTRADE TELECOMUNICAZIONI; ITAINVEST; IRI; AUTOSTRADE

PRODUCT: Transportation (4000); Telephone Communications (4811);

EVENT: Company Reports & Accounts (83); Company Formation (12); Company Formation (14);

COUNTRY: Italy (4ITA);

**16/5/4 (Item 3 from file: 583)**

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06100514

La UE afirma que el canon a la telefonía falsea la/

SPAIN: EU ON MOBILE TELECOM PAYMENT

Expansion (EXN) 9 Jan 1995 p.4

Language: SPANISH

The European Commission is to consider the conditions of the award of Spain's second mobile telecommunications licence, whereby Airtel will make a Pta 85,000mn one-off payment, were contrary to competition law and equal opportunities conventions. It is thought that the delay in the **confirmation** of the new EU commissioners has meant that as yet the Spanish government has not yet received any official communiqué regarding this matter. The Commission is not against such payments but against the fact that Airtel must pay it and Telefonica not.

COMPANY: AIRTEL; TELEFONICA

PRODUCT: Telecommunications Equipment (3661); **Mobile** Communications

JMB

22-May-06

EIC 3600

Dialog Search

Equipment (3662MB);  
EVENT: National Government Economics (94);  
COUNTRY: Spain (4SPA);

Set	Items	Description
S1	4266908	COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT OR TRANSFER? OR RELAY?
S2	220063	CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR MERCHANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV- ERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU
S3	854779	(CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR- ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC- KBERR? OR PA
S4	3931715	SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI- CAL(1W)READER
S5	2369682	FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR - RETAILER? OR SELLER? OR STORE OR STORES
S6	186	S1(7N)S2(7N)S3
S7	67	S6(S)S4
S8	22	S7 AND S5
S9	4	S8 NOT PY>2000

File 20:Dialog Global Reporter 1997-2006/May 22  
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**9/3,K/1**

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12378953 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**WizCom Technologies Ltd. and Axtel Inc. Sign Agreement to Integrate Barcode Recognition Capabilities into WizCom's Second Generation Products**

BUSINESS WIRE

August 14, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 915

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... innovative second generation platform. WizCom's flagship product, the QuickLink Pen, enables users to scan, **store** and transmit up to 1000 pages of printed text to PC, laptop, PDA or text...

... home or office with nothing more than a cellular phone, while maintaining the ability to **scan**, **store** and translate any printed material that they come across," adds Gal. This is a major...

**9/3,K/2**

DIALOG(R)File 20:Dialog Global Reporter  
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11702653 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SITES TO WATCH**

EVENING STANDARD

June 27, 2000

JOURNAL CODE: FES LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 235

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... prices and times are clear.

Kelkoo ([www.kelkoo.com](http://www.kelkoo.com)) Compares prices from 25,000 online **stores** worldwide but can narrow the search to those shipping to the UK.

DealTime ([www.dealtimme.com](http://www.dealtimme.com)) US-based site specialising in books, music, videos and other goods. Online **stores** it searches are all in the States, so prices are in dollars.

BookBrain ([www.bookBrain.com](http://www.bookBrain.com))

...and times and discounts can be up to 50 per cent.

Scan ([www.scan.com](http://www.scan.com)) **Sends** the cheapest prices on books and CDs to your **mobile phone**. You **send** the number at the bottom of the **barcode** on a book or a CD to **Scan**, it checks the prices and sends back the three cheapest, together with delivery times. Easy...

...use.

Computer Prices UK ([www.computerprices.co.uk](http://www.computerprices.co.uk)) Compares systems and hardware prices from 30 **retailers**. Prices aren't always correct, check against those on manufacturers' sites.

**9/3,K/3**

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10531434 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**(BW) eMobee and ZapZone Network Collaborate to Wireless-Enable Personal Content**

BUSINESS WIRE

April 12, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 594

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... wireless eCommerce what we call M-Commerce the ease and convenience of shopping from a **mobile phone**, with emailed **confirmation sent** directly to your ZZN email account."

According to Shannon Carter, executive producer of the ZapZone...

... Call-me!" email to any contact from their mobile phone within seconds. 2301 users can **store** an unlimited number of contacts in their PWA, thereby making their address book immediately available...

**9/3,K/4**DIALOG(R)File 20:Dialog Global Reporter  
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10531261 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**eMobee and ZapZone Network Collaborate to Wireless-Enable Personal Content**

PR NEWSWIRE

April 12, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 602

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... wireless eCommerce -- what we call M-Commerce -- the ease and convenience of shopping from a **mobile phone**, with emailed **confirmation sent** directly to your ZZN email account."

According to Shannon Carter, executive producer of the ZapZone...

... Call-me!" email to any contact from their mobile phone within seconds. 2301 users can **store** an unlimited number of contacts in their PWA, thereby making their address book immediately available...

Set	Items	Description
S1	4266908	COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT OR TRANSFER? OR RELAY?
S2	220063	CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR MERCHANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIVERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU
S3	854779	(CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIRELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLACKBERR? OR PA
S4	3931715	SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTICAL(1W)READER
S5	2369682	FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR - RETAILER? OR SELLER? OR STORE OR STORES
S6	186	S1(7N)S2(7N)S3
S7	67	S6(S)S4
S8	22	S7 AND S5
S9	4	S8 NOT PY>2000
S10	66823	(MOBILE OR M OR WIRELESS) (1W) (COMMERCE OR ECOMMERCE OR E() - COMMERCE OR BUSINESS OR PAYMENT? OR SETTL?) OR MCOMMERCE
S11	1783	S2(S)S3(S)S4
S12	139	S10(4S)S11
S13	593	S11 AND S5
S14	71	S10 AND S13
S15	60	S10(4S)S13
S16	18	S15 NOT PY>2000
S17	18	RD (unique items)

File 20:Dialog Global Reporter 1997-2006/May 22  
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**17/3,K/1**

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14622387 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Personal issue**

MARKETING WEEK

October 26, 2000

JOURNAL CODE: FMWK LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1796

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... is still some way off because the systems available are not entirely reliable or secure. **Barcodes** on vouchers printed on home printers, for example, must be of a certain quality to allow them to **read** by retail **scanners**.

... the-line agency PCg, part of the Ogilvy Promotions Network, has formed a partnership with **m-commerce** technology provider m-Wise and communications giant Vodafone to use their SMS text-messaging service...

**17/3,K/2**

DIALOG(R)File 20:Dialog Global Reporter  
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13750092 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Bring Your Electronic Coupon to the Store; Let the Barcode Scanner Redeem it Directly from your PDA or Cell Phone**

BUSINESS WIRE

November 13, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 423

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Best of Show finalists at Comdex Fall '99.  
About RegiSoft

RegiSoft is a developer of **mobile** and **e-commerce** applications, providing application platforms that enable network operators, service providers and e-vendors to offer...

**17/3,K/3**

DIALOG(R)File 20:Dialog Global Reporter  
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13046489 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**M is for money**

BUSINESS AND FINANCE

September 21, 2000

JOURNAL CODE: FBFN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 741

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... a retail sale is possible on a device doesn't make it probable." She urges **retailers** to use mobile devices to drive sales 'indirectly' by influencing purchases, rather than selling directly...

... Analytics suggests that, unlike e-commerce, frequent purchases of roughly a few dollars will dominate **m-commerce**. Raskind's firm predicts that **m-commerce** purchases worth US Dollars 200 billion will be conducted around the world by 2004, which translates into 130 million customers and 14 billion transactions a year.

"**M-commerce** is very real, but right now everyone is in discovery mode," says Jeffrey Stern, CEO...

... com, a US-based application service provider. Stern predicts that the first popular applications for **m-commerce** will be simple transactions that take advantage of the novelty aspect, paying with a mobile phone for petrol at a filling station, for example.

The second stage of **m-commerce** will draw on more advanced technology, including satellite global positioning system (GPS) devices. Fixed location...

... product from anywhere in the world. With universal shopping carts in place, Raskind suggests that **m-commerce** will eventually overtake e-commerce in popularity. But he argues it will be at least two more years before high-volume **m-commerce** becomes a commercial reality.

According to Siemens WAP consultant Ronan Royce, it is important to...

... like the Irish Times, possibly) takes a percentage for attracting the customer and finally the **merchant** (for example, the local cinema) makes money by selling their product."

"Businesses also need to realise that different markets will use **m-commerce** in different ways," added Royce. "In Japan, for example, the youth market has been attracted..."

... cultural factors should also be taken into account." There is also the potential to combine **mobile commerce** and traditional 'bricks and mortar' retailing. At least scheme being rolled out in the US...

...on the handset in the form of a bar code. The customer then enters a **store** where the bar code is **scanned** and the value is used against purchases made.

This might seem like a rather cumbersome, low-tech way of developing **m-commerce** but it does have potential in Europe, particularly with the vast pre-paid customer base...

**17/3, K/4**

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12723300 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Gamut Interactive, Inc. Announces 'Who's Who' Leadership Roster; Ex-US West Communications and Palm Computing Executives Find New Challenges In Convergence Platform Start-Up**

BUSINESS WIRE

September 07, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 918

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... consumers point and click to place wireless orders and receive special promotional offers via a **portable**, handheld electronic **device** called the Gamut. Headquartered in Scottsdale, Arizona, Gamut Interactive is backed by Andersen Consulting, Central...

**17/3,K/5**

DIALOG(R)File 20:Dialog Global Reporter  
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12383778 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Wireless Era Is Well Underway in Buffalo, N.Y., Area**  
Fred O. Williams  
KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (BUFFALO NEWS - NEW YORK)  
August 14, 2000  
JOURNAL CODE: KBUF LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1532

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 95 a month including 60 minutes of connect time.  
E-commerce may give way to **m-commerce** -- the "m" is for mobile -- as wireless Web technology allows people to shop and pay...

... number. Subscribers connect with the service over an encrypted connection to authorize payments, turning their **wireless phone** into an electronic wallet.

Not all early adopters of wireless data are thrilled, however. Jeff...

**17/3,K/6**

DIALOG(R)File 20:Dialog Global Reporter  
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12208228 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Following Its Partnership with Motorola, Symbol Technologies and Ericsson's Connect Things, AirClic Continues to Drive Mobile Commerce Industry**  
BUSINESS WIRE  
August 02, 2000  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1284

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... phones, personal digital assistants, two-way pagers and cable TV set-top terminals) to scan **bar - codes** printed in advertisements, posters, product packages, etc., and instantly connect to a specific Web page...

... have begun assembling the best prepared team for the biggest and best-financed deployment in **mobile commerce**," said Chief Executive Officer David A. Klatt, who, along with Chief Financial Officer J. Patrick...

... and insight, they have solid, long-term relationships with many of the world's top **retailers**. Those relationships will prove invaluable in fast-forwarding AirClic's growth and development of a...

... increase in 1999 of B&D and DeWalt products from customers such as Wal-Mart **Stores**, Inc., Sears, Roebuck & Co., Target Corporation, Ace Hardware Corporation, W. W. Grainger, Inc., and Amazon...

... strong, ongoing relationships with major customers such as Home Depot, Inc.; Lowe's; Wal-Mart **Stores**, Inc.; and Sears, Roebuck & Co.

Leo Greeley, vice president of application marketing, was with AirClic

...

**17/3,K/7**

DIALOG(R)File 20:Dialog Global Reporter  
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12206036 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Gamut Interactive Integrates With Symbol Technologies To Bring Scanning Benefits to Consumers; Bar Code Technology Enhances Interactive Device's Reach**

BUSINESS WIRE

August 02, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 597

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and wherever."

"Right now consumers are following the maturation from e-commerce to mobile or 'm-commerce.' We believe that the Gamut is a perfect use of our technology to bring mobile commerce to the masses," said Bob Sanders, vice president e-commerce marketing, Symbol Technologies. "We share Gamut Interactive's vision for a consumer focused, mobile commerce device. As media continues to converge and consumers become more and more time constrained, the..."

... commerce more convenient, cost effective and relevant for consumers and marketers through the marriage of mobile commerce and marketing measurement across electronic, print and broadcast media channels.

With patented technology that facilitates...

... consumers point and click to place wireless orders and receive special promotional offers via a portable, handheld electronic device called the Gamut. Headquartered in Scottsdale, Ariz., Gamut Interactive is backed by Andersen Consulting, Central...

... systems and products are used to increase productivity from the factory floor to the retail store, to the enterprise and out to the home. Information about Symbol is available at www...

**17/3,K/8**

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12116674 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**InfoSpace Reports Record Second Quarter Results And Announces Plans To Acquire Leading Broadband Infrastructure Company Go2Net**

PR NEWSWIRE

July 26, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1461

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... launch its mobile commerce solution enabling subscribers to electronically receive promotions from online and offline merchants on their cellular phones that can be used online or offline at a physical store. AT&T, in conjunction with InfoSpace, is leading the way in the

world of **mobile commerce** by being the first to provide their users with unique and valuable new commerce services...a credit card statement through secure back-end transaction processing.

InfoSpace also offers a new **mobile commerce** service that allows wireless shoppers or the traditional **store** shopper to enter anything that is known about an item- such as model number, part...

... when they want, where they want and how they want" with a single click via **cellular phones**, land-line telephones, CE or palm devices, two-way pagers and standard browsers.

**17/3,K/9**

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12072075 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**NeoMedia Technologies Introduces PaperClick Private Label**

BUSINESS WIRE

July 24, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1196

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** (**mCommerce**) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated bar code routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**17/3,K/10**

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11596480 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Motorola Tries to Regain Top Cellular Technology Spot through Partnerships**

Jon Van

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (CHICAGO TRIBUNE - ILLINOIS)

June 21, 2000

JOURNAL CODE: KCTR LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1006

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... information about them.

While these projects may seem somewhat far afield from Motorola's core **wireless** phone **business**, they really are closely tied to it. Like every telecommunications firm, Motorola must cope with...

...to delivering data.

Delivering data is important because it opens the door to so-called **mobile commerce**, or purchases made using cell phones and other wireless devices, which represents a potentially big new source of revenue for Motorola and other wireless technology companies. With **mobile commerce** projected to grow to more than \$56 billion within four years, Motorola is looking to...

... might use existing tools like cell phones -- or other devices yet to become available -- to **scan** the **bar codes** and buy things from wherever they might be at any given moment.

Rud Istvan, Motorola...

**17/3,K/11**

DIALOG(R)File 20:Dialog Global Reporter  
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11151885 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Market Expands Quickly for Wireless-Internet Connections**

Joelle Tessler

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS ( SAN JOSE MERCURY NEWS - CALIFORNIA)

May 22, 2000

JOURNAL CODE: KSJM LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1549

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... with wireless information is a key part of what makes wireless so powerful."

Although the **wireless e-commerce** market is growing rapidly, it is still just taking shape.

Right now, Dulaney said, some...

**17/3,K/12**

DIALOG(R)File 20:Dialog Global Reporter  
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10752052 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**InfoSpace Reports Fourth Consecutive Profitable Quarter**

PR NEWSWIRE

April 26, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1504

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... s credit card statement through secure back-end transaction processing.

InfoSpace recently launched a new **mobile commerce** service that allows wireless shoppers or the traditional shopper to enter anything that is ... when they want, where they want and how they want" with a single click via **cellular phones**, land-line telephones, CE or palm devices, two-way pagers and standard browsers.

**Merchant Services**

InfoSpace continues to make significant progress in executing its strategy to provide the most integrated and comprehensive **merchant** platform that is merging the online and offline world of commerce.

The local commerce opportunity...

... According to the Kelsey Group, \$3.7 trillion is transacted through the 10 million local **merchants** in the United States alone. These **merchants** spend at least \$200 billion annually on promotions and Web-related activities.

"The market opportunity...

... Internet users research products online but purchase products offline," said Jain. "Because of our innovative **merchant** services, InfoSpace is in the best position to successfully merge the online and offline worlds...

...to bring traditional brick and mortars into the new economy and into the world of **mobile commerce** and helping our carrier partners capture a percentage of the commerce that happens both online and in the real world."

InfoSpace's **merchant** services are distributed to local **merchants** through partnerships with all five regional bell operating companies (RBOCs)-- BellAtlantic/NYNEX, SBC, BellSouth, GTE and US West, **merchant** banks such as American Express and Bank of America and other local media networks such...

...LM Berry, further increasing its reach into the local market.

InfoSpace's national and local **merchant** network now consists of more than 400,000 local and national **merchants**, up almost 34% from the 300,000 **merchants** reported last quarter.

InfoSpace recently integrated the proprietary merchandise and products from 15 additional distinct brands such as Gump's, Improvements, The Company **Store**, Kitchen & Home, Silhouettes and Clearance World across InfoSpace's extensive affiliate network of wireless devices...

...with Hanover Direct.

InfoSpace and Keystone Internet Services are also working together to drive new **merchants** to use InfoSpace's commerce services and to offer InfoSpace's current network of **merchants** the fulfillment and logistics services provided by Keystone.

InfoSpace's merchant services enable local merchants...

**17/3, K/13**

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10722735 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**InfoSpace Launches New Mobile Commerce Service That Turns Mobile Devices Into True Transaction Devices**

PR NEWSWIRE

April 25, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1174

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... PRNewswire/ -- InfoSpace, Inc. (Nasdaq: INSP), a leading worldwide provider of infrastructure services for wireless carriers, **merchants** and Web sites, today announced that it will offer wireless carriers the ability for wireless...

... when they want, where they want and how they want" with a single click via **cellular phones**, land-line telephones, CE or palm devices, two-way pagers and standard browsers.

... task of filling out forms and shipping info," said Naveen Jain, chairman, InfoSpace. "To make **mobile commerce** work and really make it successful, it is imperative that these services are easy to...

... relationships with more than 24 wireless carriers worldwide. In addition, InfoSpace offers millions of local **merchants** a comprehensive and integrated platform of **merchant** services that are used by all five regional bell operating companies- BellSouth, SBC, BellAtlantic, USWest and GTE, leading **merchant** banks including American Express and Bank of America and other local media networks. The powerful combination of bringing **merchants** to mobile users will also help to facilitate and accelerate the growth of **mobile commerce**.

"The opportunity could be enormous," said Mark Plakias, an analyst at the Kelsey Group. He...

... by 2005 and that information from wireless directories and shopping services could influence 1 billion **store** purchases in 5 years.

The new **mobile commerce** service will also offer wish lists, pricing alerts and price history capabilities along with, "friendly...

... There is a rapidly shifting market in 2000 for business. We think that wireless carriers, **merchants** and enterprises that don't invest in these types of applications are going to find...

... information infrastructure services company. InfoSpace provides commerce, information and communication infrastructure services to wireless devices, **merchants** and Web sites. The Company's affiliates include a network of wireless and other non...

**17/3,K/14**

DIALOG(R)File 20:Dialog Global Reporter  
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10531434 (USE FORMAT 7 OR 9 FOR FULLTEXT)

(BW) **eMobee and ZapZone Network Collaborate to Wireless-Enable Personal Content**

BUSINESS WIRE

April 12, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 594

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Liu, President and CEO of eMobee, Inc. "The next step for eMobee is to provide **wireless eCommerce** what we call **M - Commerce** the ease and convenience of shopping from a mobile phone, with emailed **confirmation** sent directly to your ZZN email account."

According to Shannon Carter, executive producer of the...

... Call-me!" email to any contact from their mobile phone within seconds. 2301 users can **store** an unlimited number of contacts in their PWA, thereby making their address book immediately available...

**17/3,K/15**

DIALOG(R)File 20:Dialog Global Reporter  
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10531261 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**eMobee and ZapZone Network Collaborate to Wireless-Enable Personal Content**

PR NEWSWIRE

April 12, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 602

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Liu, President and CEO of eMobee, Inc. "The next step for eMobee is to provide **wireless eCommerce** -- what we call **M-Commerce** -- the ease and convenience of shopping from a mobile phone, with emailed **confirmation** sent directly to your ZZN email account."

According to Shannon Carter, executive producer of the...

... Call-me!" email to any contact from their mobile phone within seconds. 2301 users can **store** an unlimited number of contacts in their PWA, thereby making their address book immediately available...

**17/3,K/16**

DIALOG(R)File 20:Dialog Global Reporter

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10522412 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Preferred Internet Access Technology of Future Still Unclear**

Beatrice E. Garcia

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (MIAMI HERALD - FLORIDA)

April 09, 2000

JOURNAL CODE: KMHR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1179

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... consumers via a mobile phone, hand-held computer or pager has the folks in the **wireless business** just sizzling with ideas.

BarPoint.com, a Fort Lauderdale company, allows users to key in a product's UPC number or **scan** in its bar code and tap into the firm's extensive Internet database to obtain...

... information for millions of products. BarPoint's Web site information can be accessed via pagers, **PalmPilots** and WAP phones equipped with a microbrowser.

StarMedia Networks, the Spanish- and Portuguese-language Internet...

**17/3,K/17**

DIALOG(R)File 20:Dialog Global Reporter

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09743677 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**RegiSoft: RegiSoft, Cydoor team to deliver e-Coupons to software users; Strategic alliance maximizes advertisers' targeting capabilities**

M2 PRESSWIRE

February 24, 2000

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 621

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... distributors, and strategic partners.

About RegiSoft

RegiSoft Ltd. ([www.regisoft.com](http://www.regisoft.com)) has developed a comprehensive **mobile** and **e-commerce** solution derived by experience in the field of Electronic License Distribution (ELD). By leveraging a...

... with strategic partners, RegiSoft is positioned to set the standard for market differentiation in the **mobile commerce** market. RegiSoft, incorporated in Delaware, has marketing offices in the United States. The company's...

**17/3,K/18**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2006 Dialog. All rts. reserv.

08985921 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**BarPoint Announces Over 325 Affiliates and New Content Alliances**

BUSINESS WIRE

January 05, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 704

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... has audio clips accessible.

About BarPoint.com

BarPoint.com is the single, authoritative source for **mobile** Internet **commerce** ; bridging the gap between the broad selection of products offered online with the confidence and...

Set        Items        Description  
S1        1504269        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
                          OR TRANSFER? OR RELAY?  
S2        123518        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
                          MERCHANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
                          ERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU  
S3        305976        (CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR-  
                          ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER?  
                          ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR  
                          PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC-  
                          KBERR? OR PA  
S4        1485309        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
                          CAL(1W)READER  
S5        1311381        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
                          RETAILER? OR SELLER? OR STORE OR STORES  
S6        156        S1(7N)S2(10N)S3  
S7        73        S6(S)S4  
S8        17        S7(4S)S5  
S9        8        S8 NOT PY>2000  
S10      8        RD (unique items)  
File 15:ABI/Inform(R) 1971-2006/May 22  
      (c) 2006 ProQuest Info&Learning  
File 610:Business Wire 1999-2006/May 22  
      (c) 2006 Business Wire.  
File 810:Business Wire 1986-1999/Feb 28  
      (c) 1999 Business Wire  
File 476:Financial Times Fulltext 1982-2006/May 23  
      (c) 2006 Financial Times Ltd  
File 613:PR Newswire 1999-2006/May 22  
      (c) 2006 PR Newswire Association Inc  
File 813:PR Newswire 1987-1999/Apr 30  
      (c) 1999 PR Newswire Association Inc  
File 634:San Jose Mercury Jun 1985-2006/May 20  
      (c) 2006 San Jose Mercury News  
File 624:McGraw-Hill Publications 1985-2006/May 22  
      (c) 2006 McGraw-Hill Co. Inc

**10/3,K/1 (Item 1 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01627275 02-78264  
**Chart your future with converging automatic data capture technologies**  
Swartz, Jerome  
Automatic I.D. News v14n6 PP: 40-41 May 1998  
ISSN: 0890-9768 JRNL CODE: AIN  
WORD COUNT: 922

...TEXT: up to yield a secure replacement for the postal mark, by uniquely tying a machine- **readable** postage stamp to human- **readable** address information.

Auto. ID goes home

Auto. ID will also transition from commercial and industrial...

...shopping, for example, the emergency delivery of a bar-coded prescription from your local chain **store**.

The future holds many exciting challenges and opportunities for Auto. ID-- and its cutting-edge...

**10/3,K/2 (Item 2 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01090880 97-40274  
**Asset tracking paves the way for cost savings**  
Anonymous  
Logistics Information Management v8n3 PP: 4-5 1995  
ISSN: 0957-6053 JRNL CODE: LIM  
WORD COUNT: 536

...TEXT: registered.

To simplify this annual task, a special software package was written to record assets, **store** them in categories and give each one a unique ten-digit identification number. The problem...

...collecting the information was addressed by Bar Code Systems which provided special tamper-evident, thermal **transfer barcode** labels for every piece of equipment. These items can now be **scanned** by the auditor with a **portable scanning terminal** at the rate of 850 items per day. As long as the correct label has...

**10/3,K/3 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

00871492 95-20884  
**The next revolution**  
Milburn, Ross  
Asian Business v30n6 PP: 53-56 Jun 1994  
ISSN: 0254-3729 JRNL CODE: ABN  
WORD COUNT: 2029

...TEXT: to the central computer. As the consignment moves through the shipping process it may be **scanned** a dozen times, each time updating the information stored in the mainframe. When customers call...

...database to find the nearest spare parts, either in a warehouse van or the main **store**. Each of the warehouse vans has a truck radio which provides private channels.

In order...

**10/3,K/4 (Item 4 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

00692433 93-41654  
**Spread spectrum finding its niche in hard-to-reach places**  
Radosevich, Lynda  
Computerworld v27n16 PP: 58 Apr 19, 1993  
ISSN: 0010-4841 JRNL CODE: COW  
WORD COUNT: 361

...TEXT: Currently, Norand's wireless customers, such as Merry-Go-Round Enterprises, Inc., a national clothing **retailer** in Joppa, Md., must license a narrow piece of Ultra High Frequency bandwidth from the...

...is said to speed data transmission rates and increase security because it splits transmissions and **sends** them over a broad frequency range.

#### **SCANNING FOR DETAILS**

Merry-Go-Round uses **wireless** handheld **devices** to **scan** **bar-coded** palettes of merchandise and locate the palettes in its 1,070-sq-ft distribution center...

**10/3,K/5 (Item 5 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

00578569 91-52916  
**Technology Becomes a Partner**  
Anonymous  
Discount Merchandiser v31n10 PP: 18-19 Oct 1991  
ISSN: 0012-3579 JRNL CODE: DMD  
WORD COUNT: 1392

...TEXT: and the CEO--those involved in making strategic decisions."

#### **QUICK CHANGE**

The second rationale for **retailers** to partner with their technology suppliers is based on the fact that the technology is changing so rapidly. Just to name a few new developments, " **Bar codes** are now becoming two-dimensional, **portable** data collection **equipment** is **communicating** by radio frequency, whole new forms of **scanning** devices that didn't exist a few years ago, such as **scan** lamps, are now becoming available and traditional applications like POS are now being widened to...

...is not to be a technology guru, but instead to be the world's best **retailer**, it's not going to be automatic for them to keep up to date." And...

...provide their retail partners with awareness of the emerging technology trends early enough so the **retailers** can do their business planning with complete foreknowledge of what technology will be available, and...

10/3,K/6 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00342393 20000814227B7524 (USE FORMAT 7 FOR FULLTEXT)  
**WizCom Technologies Ltd. and Axtel Inc. Sign Agreement to Integrate Barcode Recognition Capabilities into WizCom's Second Generation Products**  
Business Wire  
Monday, August 14, 2000 08:31 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 924

TEXT:

WizCom Technologies Inc., the world leader in portable **scanning** and recognition technologies, is pleased to announce the signing of an agreement with Axtel Inc...

...s innovative second generation platform. WizCom's flagship product, the QuickLink Pen, enables users to **scan**, **store** and transmit up to 1000 pages of printed text to PC, laptop, PDA or text...  
...II, based on the same platform, is a superior linguistic tool that enables users to **scan** a full line of text and see the translation of each individual word, in seconds...

...to new heights," says David Gal, President and CEO of WizCom Technologies. "Users will simply **scan** in barcodes that contain inherent instructions for the execution of a specific web-related task...

...s ability to take this bar/web code technology one step further. By embedding the **barcode** application into the company's Plug-In Module for **mobile phones**, users will not have to **transfer** this information via an additional product - like the PC. The entire process will be carried...

...home or office with nothing more than a cellular phone, while maintaining the ability to **scan**, **store** and translate any printed material that they come across," adds Gal. This is a major...

...agreement between the two companies in

January of this year. "The compact size of the **scanner** , coupled with its excellent OCR capabilities, makes this platform an obvious choice for companies interested in developing portable **scanning** tools for use in the work place and in the field," says Moshe Doron, VP...

...a wide range of tasks and applications. The obvious need for an accurate wireless barcode **scanner** , with Scan to PC functionality, became apparent early on. We swiftly moved the integration of this functionality...

**10/3,K/7 (Item 1 from file: 813)**  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0166112 NE003  
**SYMBOL TECHNOLOGIES INTRODUCES LS 8X60 SERIES MEMORY SCANNERS AND SYMBOL-VISION SOFTWARE**

DATE: May 8, 1989 08:20 E.T. WORD COUNT: 631

...the world leader in barcode-based data systems, today introduced the LS 8X60 Series Memory **Scanners** , versatile state-of-the-art hand-held laser **scanners** that **read barcodes** and **transmit** data to a host terminal and convert instantly into lightweight battery-powered **portable** data collection **devices** .

The multifaceted memory scanner operates in three modes -- normal, **store** and download. In normal mode, the scanner reads and transmits data to a POS terminal, personal computer or other computer system. In **store** mode, with its modular cable detached, the 12-ounce scanner functions as a portable data...

...retailing, where it functions at the checkout counter and then can be taken throughout the **store** to inventory merchandise. Its flexibility also makes it ideal for shipping, receiving, distribution and other...

**10/3,K/8 (Item 1 from file: 624)**  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2006 McGraw-Hill Co. Inc. All rts. reserv.

0358723  
**BEYOND THE SUPERMARKET: Who knows where Symbol's laser bar-code knowhow will turn up?**  
Sunita Wadekar Bhargava in Bohemia, N. Y.  
Business Week, Number 3250, Pg 80A  
February 3, 1992  
JOURNAL CODE: BW  
SECTION HEADING: Information Processing ISSN: 0007-7135  
WORD COUNT: 839

TEXT:

...sales forces. At the same time, the scanner business was sagging because

of consolidation among **retailers** .

ONE-TWO PUNCH. Recession crimped **scanner** sales in 1990, too, but the company staged a comeback in 1991 as sales jumped...

... estimated \$317 million (chart), thanks largely to a new product line that merges Symbol's **bar - code scanning** with MSI's **portable terminals** . The **devices** , which use wireless communications to **relay** information to a host computer, are being used by Kmart for such jobs as tracking...

Set        Items        Description

S1        1504269        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
OR TRANSFER? OR RELAY?

S2        123518        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
MERCHANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
ERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU

S3        305976        (CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR-  
ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER?  
? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR  
PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC-  
KBERR? OR PA

S4        1485309        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
CAL(1W)READER

S5        1311381        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
RETAILER? OR SELLER? OR STORE OR STORES

S6        156        S1(7N)S2(10N)S3

S7        73        S6(S)S4

S8        17        S7(4S)S5

S9        8        S8 NOT PY>2000

S10        8        RD (unique items)

S11        35762        (MOBILE OR M OR WIRELESS) (1W) (COMMERCE OR ECOMMERCE OR E() -  
COMMERCE OR BUSINESS OR PAYMENT? OR SETTL?) OR MCOMMERCE

S12        1117        S4(4N)S2(4N)S3

S13        44        S12(4S)S11

S14        8        S13 NOT PY>2000

S15        8        RD (unique items)

S16        85        S12 AND S11

S17        15        S16 NOT PY>2000

S18        15        RD (unique items)

File 15:ABI/Inform(R) 1971-2006/May 22  
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File 610:Business Wire 1999-2006/May 22  
(c) 2006 Business Wire.

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2006/May 23  
(c) 2006 Financial Times Ltd

File 613:PR Newswire 1999-2006/May 22  
(c) 2006 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 634:San Jose Mercury Jun 1985-2006/May 20  
(c) 2006 San Jose Mercury News

File 624:McGraw-Hill Publications 1985-2006/May 22  
(c) 2006 McGraw-Hill Co. Inc

18/3,K/1 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02082111 62814001

**CEO interview: Tomo Razmilovic of Symbol Technologies--scanning the horizon**  
Schack, Justin  
Institutional Investor v34n10 PP: 32-34 Oct 2000  
ISSN: 0020-3580 JRNL CODE: IL  
WORD COUNT: 1494

...TEXT: its data-scanning and transmission capabilities. These opportunities revolve around the rapidly emerging field of **mobile commerce**, or **m-commerce**, says CEO Tomo Razmilovic.

Symbol is contributing its bar code technology to a company it...

...to adapt to e-commerce may not be ready to embrace Symbol's vision of **mcommerce**.

Razmilovic, who had been chief operating officer before succeeding Symbol founder Jerome Swartz as CEO...

...China, Japan, Europe, Australia or the U.S. We had talked about bar codes in **mobile commerce** internally before the Internet, but now it's really possible, with wireless phones having Internet access.

How do you envision **m-commerce** working in practice?

Wherever you are, your cellular phone or **PDA** will have a small **scanning** device so that you can **scan bar codes** from newspaper advertisements, from TV screens. You can enter the bar code on the Web, and it will take you right to the site

How pervasive could **m-commerce** become?

I don't believe it will be a niche, but I also don't...

...a very simple device and go right to the Web site on that device.

If **m-commerce** is to fulfill its potential, what else has to change?

Industries have to embrace what...

18/3,K/2 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02081609 62658179

**Numbers in the sky**

Rockhold, John  
Wireless Review v17n19 PP: S3-S4 Oct 1, 2000  
ISSN: 1099-9248 JRNL CODE: WLR  
WORD COUNT: 1376

ABSTRACT: Ovum believes that consumers will spend more than \$200 billion worldwide in **m-commerce** by 2005. Strategis Group analyst Cynthia Hswe believes that mobile comparison shoppingwill be more widely accepted than any other **m-commerce** application. AT&T Wireless and Verizon offer

mobile comparison shopping from BarPoint.com. There, a...

TEXT: Key applications are starting to emerge from the blur of **m-commerce**'s potential.

The wireless industry already has seen incredible revenues within its history. If the...

...already is here; wireless phones are no longer just for talking. With wireless Internet and **m-commerce**, the industry approaches a transformation that promises to create revenues of legendary proportions.

Ovum believes...

...by 2003. It also predicts that consumers will spend more than \$200 billion worldwide in **m-commerce** by 2005. Everyone has heard some variation of these predictions. Debate exists as to just...

...be, but when dealing with hundreds of billions of dollars, the consensus is clear that **m-commerce** will have plenty of zeros.

David Friedman, U.S. Cellular vice president of marketing, believes...

...or 2005 or 2006, it will eventually take place," he said. According to Durlacher's **Mobile Commerce** Report, **m-commerce** hype will nosedive into disappointment and reality in 2000 and 2001. By the following year, though, **m-commerce** will rise sharply from the ashes.

Look around and you can sense the anticipation of **m-commerce**. Providers are allying with portals and ASPs, creating an intricate web of partnerships.

Kathy Simpson...

...director of developer marketing, said teamwork between providers and vendors is critical for success in **m-commerce**.

"Much like there are vendors who provide a specific piece of the e-commerce solution..."

...to other pieces, I think we're going to see the same thing in the **wireless** (**commerce**) world," she related.

Friedman concurred, noting that the way to offer **m-commerce** is through partnerships.

"There's no cellular company that I know, not even the large..."

...sure thing is that there will be plenty of contenders. In the evolution of 4 **m-commerce** services, there are those that will arrive sooner rather than later; some are even closer...

...Group analyst, believes that mobile comparison shopping will be more widely accepted than any other **m-commerce** application. Hswe thinks that it will be an immediate hit because it does not require...

...will have to convince their customers that privacy and security will not be compromised for **m-commerce** applications. Those that provide practical convenience and help where it matters most, the wallet or purse, will ease consumers into the **m-commerce** water.

AT&T Wireless and Verizon offer mobile comparison shopping from

BarPoint.com. There, a...

...to purchase the item. Eventually users of BarPoint's mobile service may be able to **scan** the **UPC** with a **scanner** -enabled **wireless device**.

DealTime takes the mobile comparison-shopping concept and "puts it on steroids," according to Garret...consumers any money, mobile ticketing aims at another primary need: convenience. According to Durlacher's **m-commerce** report, ordering tickets via a mobile device is "one of the most compelling proposed services" in **m-commerce**. It notes the convenience of ordering movie, concert and theater tickets when consumers are on...

...and sports.

Whether mobile comparison shopping and mobile tickets will be the initial movers of **m-commerce**, only soothsayers really know. Both, though, provide practical uses that will target two primary concerns...

**18/3,K/3 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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02058114 58554130  
**Venturing into the future**  
Adler, Jane  
Credit Card Management v13n5 PP: 25-30 Aug 2000  
ISSN: 0896-9329 JRNL CODE: CCM  
WORD COUNT: 2061

...TEXT: Schaumburg, Ill.-based Motorola Inc. announced the development of technology that will allow consumers to **scan bar codes** on advertisements with devices such as **Palm Pilots**, calling into question how payments on those transactions might be processed.

It's a high...

...in Oasis Technology Ltd., a Canadian company that provides software to process electronic payments and **mobile-commerce** transactions. And last March, Visa invested in Accompany Inc., a San Francisco Internet group-purchasing...

**18/3,K/4 (Item 4 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02057992 58398119  
**Motorola venture steps up m-commerce**  
Comeau-Kirschner, Cheryl  
Chief Executive n158 PP: 10 Aug 2000  
ISSN: 0160-4724 JRNL CODE: CHE  
WORD COUNT: 407

**Motorola venture steps up m-commerce**

...ABSTRACT: consumer who wants to purchase a new stereo system advertised in a magazine would simply **scan** the Web code on the advertisement with a **bar - code** enabled **wireless phone** and have an instant connection to the e-commerce site offering the product.

...TEXT: consumer who wants to purchase a new stereo system advertised in a magazine would simply **scan** the Web code on the advertisement with a **bar - code** enabled **wireless phone** and have an instant connexion to the e-commerce site offering the product. Consumers can...

**18/3,K/5 (Item 5 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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02057899 58416643  
**Waiting for wireless**  
MacSweeney, Greg  
Insurance & Technology v25n9 PP: 26-30 Sep 2000  
ISSN: 1054-0733 JRNL CODE: IIN  
WORD COUNT: 1753

...TEXT: Then the insurer has to develop an [insurance] tool or software." Bisker says the ideal **wireless** -claims **device** would have a **scanner** in the heel for **bar codes**, a pen interface and a digital camera. The device would also be keyboard accessible, have...ebusiness strategy must be in place before wireless can be implemented, adds Etzler.

Serif agrees. " **Mobile commerce** , or **mcommerce** , is too advanced for some insurance companies," he says. "Given the fact that insurers have..."

...should know:

1. The limited available quantity and quality of bandwidth makes frequent use of **mobile commerce** difficult. Spotty coverage and slow connections (14,400 baud, max) will frustrate any user.  
2...

....a few. Without a standard for communication, coverage will be even more erratic.

5. Sound **wireless business** models for banking and brokerage, least of all insurance, have not been completely developed. (What...)

**18/3,K/6 (Item 6 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
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01984062 49011217  
**Windows to go**  
Mele, Jim  
Fleet Owner n1 PP: 74-78 Jan 2000  
ISSN: 1070-194X JRNL CODE: FOW  
WORD COUNT: 1269

...ABSTRACT: computer makers to identify Windows CE as a good solution for trucking, warehousing, and other **mobile business** operations. Windows CE is very attractive for a number of reasons, says Phillip Shiffrin of...  
...TEXT: computer makers to identify Windows CE as a good solution for trucking, warehousing, and other **mobile business** operations.

In the past year, every major supplier of hand-helds has introduced or announced...

...architecture with standard Windows drivers also makes it much easier to add peripherals (to a **mobile device**) like **scanners** and **bar code readers**. That adds quite a bit of flexibility to modify the computer to meet a user...

**18/3,K/7 (Item 7 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01900640 05-51632  
**Wireless IP: Ready or not, here it comes**  
Saunders, Stephen; Heywood, Peter; Dornan, Andrew; Bruno, Lee; Allen, Lori  
Data Communications v28n12 PP: 42-68 Sep 1999  
ISSN: 0363-6399 JRNLD CODE: DCM  
WORD COUNT: 8763

...TEXT: to come up with a reason to convert current business services. "The killer application for **wireless business** users is being more productive when they're out of the office, says Dan MacDonald, vice president of marketing for **wireless business** communications at Nokia.

(Table Omitted)

Captioned as: Table 1:

Wireless database access, for example, gives...looks like a badly designed TV remote and combines a VOIP (voice-over-IP) phone, **wireless LAN device**, and **bar - code scanner**. Voice quality is strictly low fi (true for VOIP products in general) while delay was...  
...in their lobby tapping into their communications," says Dan MacDonald, vice president of marketing for **wireless business** communications at Nokia Corp. (Espoo, Finland). -L.B. and S.S.

Sidebar:

Network architects who...

**18/3,K/8 (Item 1 from file: 610)**  
DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00431260 20001220355B9371 (USE FORMAT 7 FOR FULLTEXT)  
**Brience Enables BarPoint.com's Customers to 'Comparison Shop' Using Any Wireless Device-BarPoint.com Web Site Ready for M - Commerce In Only Six Weeks -- Just in Time for the Last-Minute Holiday Shopping Rush**  
Business Wire  
Wednesday, December 20, 2000 08:02 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 643

**... s Customers to 'Comparison Shop' Using Any Wireless Device-BarPoint.com Web Site Ready for M - Commerce In Only Six Weeks -- Just in Time for the Last-Minute Holiday Shopping Rush**

TEXT:

...platform was the only product on the market that could offer us both an immediate **mobile - commerce** solution and a long-term strategic growth plan that ultimately enables our customers to access...

Brience now enables BarPoint.com customers to enter or **scan** a **UPC** symbol or **barcode** from any store shelf into a **wireless device** in order to access relevant product, price comparison and store information -- from any location, at...

...wholly owned BarPoint.com subsidiary. BarPoint is uniquely positioned to benefit from the growth in **mobile commerce** as wireless communications, mobile computing and scanning technologies converge.

#### About Brience

Brience is the leading...

**18/3,K/9 (Item 2 from file: 610)**  
DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00407195 20001113318B4772 (USE FORMAT 7 FOR FULLTEXT)  
**Bring Your Electronic Coupon to the Store; Let the Barcode Scanner**  
**Redeem it Directly from your PDA or Cell Phone**  
Business Wire  
Monday, November 13, 2000 08:03 EST  
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 440

**Bring Your Electronic Coupon to the Store; Let the Barcode Scanner**  
**Redeem it Directly from your PDA or Cell Phone**

TEXT:  
...and authenticates electronic coupons and tickets, introduced a wireless redemption system that uses the conventional **barcode scanner**. Upon receiving e-Coupons, shoppers bring them into stores on **PDAs** or **cell phones** appearing in the **barcode** format. This new twist on the use of a barcode scanner allows vendors to integrate...

#### About RegiSoft

RegiSoft is a developer of **mobile** and **e - commerce** applications, providing application platforms that enable network operators, service providers and e-vendors to offer...

**18/3,K/10 (Item 3 from file: 610)**

DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00334654 20000802215B9555 (USE FORMAT 7 FOR FULLTEXT)  
**Following Its Partnership with Motorola, Symbol Technologies and Ericsson's Connect Things, AirClic Continues to Drive Mobile Commerce Industry**

Business Wire

Wednesday, August 2, 2000 08:19 EDT

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWswire

WORD COUNT: 1,300

**... Its Partnership with Motorola, Symbol Technologies and Ericsson's Connect Things, AirClic Continues to Drive Mobile Commerce Industry**

TEXT:

...Top Technology, Consumer Products  
and Telecommunication Leaders

AirClic Inc., a founder of One-Scan (TM) **mobile - commerce** , today announced the appointment of a stellar management team: Paul G. Boitmann, vice president of...

...and

widespread deployment of technology that will enable all Internet-enabled devices (including cellular phones, **personal digital assistants** , two-way pagers and cable TV set-top terminals) to **scan bar - codes** printed in advertisements, posters, product packages, etc., and instantly connect to a specific Web page...

...have begun assembling the best prepared team for the biggest and best-financed deployment in **mobile commerce** , " said Chief Executive Officer

David A. Klatt, who, along with Chief Financial Officer J. Patrick...

**18/3,K/11 (Item 4 from file: 610)**  
DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00165913 20000105005B0025 (USE FORMAT 7 FOR FULLTEXT)  
**BarPoint Announces Over 325 Affiliates and New Content Alliances**

Business Wire

Wednesday, January 5, 2000 06:18 EST

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWswire

WORD COUNT: 697

...Palm Computing, interactive pagers from RIM and Motorola, and a wide range of internet capable **cellular phones** .

By entering or **scanning** in a product's unique 12-digit **barcode** number using the BarPoint service, a consumer will find a wealth of product-specific information...

...has audio clips  
accessible.

## About BarPoint.com

BarPoint.com is the single, authoritative source for **mobile Internet commerce** ; bridging the gap between the broad selection of products offered online with the confidence and...

**18/3,K/12 (Item 5 from file: 610)**  
DIALOG(R)File 610:Business Wire  
(c) 2006 Business Wire. All rts. reserv.

00154566 19991210344B0048 (USE FORMAT 7 FOR FULLTEXT)  
**BarPoint.com Kicks Off Launch of Mobile Internet Commerce Site With a Millennial Give-Away of Barcode Scanning Palm OS-based Mobile Devices**  
Business Wire  
Friday, December 10, 1999 08:18 EDT  
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 716

**BarPoint.com Kicks Off Launch of Mobile Internet Commerce Site With a Millennial Give-Away of Barcode Scanning Palm OS-based Mobile Devices**

## TEXT:

...product barcodes to connect consumers with what they want -- anytime, anywhere, is giving away a **barcode scanning** Palm **PDA** from Symbol Technologies to one consumer a day until the millennium. Simply log on to...

...film "The Brave Little Toaster" from electrical safety tips for small appliances.

Seamless integration of **PDA** and **barcode scanning** technology

Symbol Technologies has taken the personal productivity concept of the Palm Computing connected organizer...

...manage data with unparalleled convenience and functionality.

## Details of winning

To sign up for the **barcode scanning** Palm **PDA** give-away, consumers simply access [www.barpoint.com](http://www.barpoint.com) and click on the "Register to Win..."

...U.S.  
Postal Mail.

## About BarPoint.com

BarPoint.com is the single, authoritative source for **mobile Internet commerce** ; bridging the gap between the broad selection of products offered online with the confidence and...

**18/3,K/13 (Item 1 from file: 613)**  
DIALOG(R)File 613:PR Newswire  
(c) 2006 PR Newswire Association Inc. All rts. reserv.

00319331 20000425SFTU124 (USE FORMAT 7 FOR FULLTEXT)  
**Infospace Launches New Mobile Commerce Service That Turns Mobile Devices Into True Transaction Devices Scan in a UPC Code to Accurately Locate a Product, Compare Prices and Make an Instant Purchase With A Single Click**

PR Newswire

Tuesday, April 25, 2000 08:31 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 1,137

**Infospace Launches New Mobile Commerce Service That Turns Mobile Devices Into True Transaction Devices Scan in a UPC Code to Accurately Locate a Product, Compare Prices and Make an Instant Purchase With A...**

...task of filling out forms and shipping info," said Naveen Jain, chairman, InfoSpace. "To make mobile commerce work and really make it successful, it is imperative that these services are easy to...

...bringing merchants to mobile users will also help to facilitate and accelerate the growth of mobile commerce .

"The opportunity could be enormous," said Mark Plakias, an analyst at the Kelsey Group. He...

...directories and shopping services could influence 1 billion store purchases in 5 years.

The new mobile commerce service will also offer wish lists, pricing alerts and price history capabilities along with, "friendly...

18/3,K/14 (Item 2 from file: 613)  
DIALOG(R)File 613:PR Newswire  
(c) 2006 PR Newswire Association Inc. All rts. reserv.

00254134 20000127CA002 (USE FORMAT 7 FOR FULLTEXT)  
**Barcode Holdings Limited Announces Agreement to Acquire Upcsmart.Com**  
PR Newswire  
Thursday, January 27, 2000 11:33 EST  
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
DOCUMENT TYPE: NEWSWIRE  
WORD COUNT: 465

TEXT:

...PRN/ - As part of its strategy to become a leader in the next generation of wireless e - commerce solutions, BarCode Holdings Limited has signed a Letter of Intent agreement for the purchase of...

...Micacchi,  
``With more than 100 million UPC barcodes worldwide, what could be easier

than  
simply **scanning** a **barcode** for product information or comparison  
shopping,  
using your **PDA** or intelligent cellphone?"

The scheduled closing date for the **UPC** acquisition is February 29,  
2000.

The acquisition is a share for share exchange. BarCode Holdings...

**18/3,K/15 (Item 1 from file: 624)**  
DIALOG(R)File 624:McGraw-Hill Publications  
(c) 2006 McGraw-Hill Co. Inc. All rts. reserv.

01087771  
**Scan Click Shop: AirClic's bar codes let shoppers download ads and order  
goods via mobile phone**  
By ROY FURCHGOTT

Business Week, Number 3684, Pg eb16  
June 5, 2000  
JOURNAL CODE: BW  
SECTION HEADING: Business Week International Editions: Business Week  
e.biz: UPSTARTS ISSN: 0007-7135  
WORD COUNT: 430

TEXT:

... mainstream by making newspaper and magazine ads gateways to the digital world. By embedding tiny **bar - code scanners** into **wireless phones**,  
pagers, and handheld computers, these devices can be pointed at **bar codes** in print ads. Press a button, and the phone downloads product information hidden in the...

...184 billion by 2004, up from \$20 billion in 1999. AirClic estimates half will be **mobile commerce** and projects it could capture 25%, or \$23 billion, in the form of retailer fees...

Set        Items        Description  
S1        3838332        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
                          OR TRANSFER? OR RELAY?  
S2        325102        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
                          MERCHANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
                          ERSAL()PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU  
S3        1168131        (CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR-  
                          ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER?  
                          ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR  
                          PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC-  
                          KBERR? OR PA  
S4        3861917        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
                          CAL(1W)READER  
S5        4111378        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
                          RETAILER? OR SELLER? OR STORE OR STORES  
S6        210        S1(4N)S2(4N)S3  
S7        79        S6(S)S4  
S8        19        S7(4S)S5  
S9        11        RD (unique items)  
S10      2        S9 NOT PY>2000  
S11      26        S7 NOT PY>2000  
S12      15        RD (unique items)  
File      9:Business & Industry(R) Jul/1994-2006/May 19  
                          (c) 2006 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2006/May 19  
                          (c) 2006 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2006/May 22  
                          (c) 2006 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2006/May 19  
                          (c) 2006 The Gale Group  
File 16:Gale Group PROMT(R) 1990-2006/May 22  
                          (c) 2006 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
                          (c) 1999 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2006/May 22  
                          (c) 2006 The Gale Group

**12/3,K/1 (Item 1 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02181338 Supplier Number: 25734181 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Powertel Keeps It In-house**

(Since Powertel's launch, the PCS carrier has boosted its company-owned retail stores and kiosks from 34 to 126; the company also ships to 518 authorized agents and 560 mass merchants)

Wireless Week, v 6, n 24, p 44

June 12, 2000

DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1167

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...headquarters in West Point.

Powertel employs a computerized distribution system as well. Handset orders are **transmitted** directly to employees armed with **wireless terminals** and **bar - code scanners**. Workers "pick and pack" phones and assign them a tracking order before stowing them on...

**12/3,K/2 (Item 2 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01704460 Supplier Number: 24432312

**Interface won't drain your power**

(Dynasys Technologies' Copilot allows tethered interfacing between barcode scanners and Palm Pilot hand-held computers)

Automatic I.D. News, v 14, n 12, p 60

November 1998

DOCUMENT TYPE: Journal; News Brief ISSN: 0890-9768 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 113

TEXT:

...allows users of the Palm Pilot hand-held computer to add a tethered bar code **scanner** to their applications. The unit powers an attached **scanner** and, after a successful **bar code scan**, **sends** the decoded data to the application through the **Palm Pilot**'s built-in serial port. After the data is collected, connect the included serial cable...

**12/3,K/3 (Item 3 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01616915 Supplier Number: 24344121 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Wireless Services Offers E-mail**

(Wireless Services is offering Internet-based messaging services to wireless carriers)

Wireless Week, p 24

August 03, 1998

DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 374

(USE FORMAT 7 OR 9 FOR FULLTEXT)

## TEXT:

...sent to that address is immediately forwarded by AirNote to the wireless device and simultaneously **sent** to the receiver's separate desktop e-mail address.

Delivery **confirmation** can be **sent** back to the originator of the message. Subscribers can log on to the Wireless Services Web site, **scan** and retrieve messages, set delivery schedules and activate filters to select which e-mail messages...

**12/3,K/4 (Item 4 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

01500869 Supplier Number: 24201372 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**PalmPilot Upgrade -- Third generation has more memory, new OS; prices cut on older models**  
(Palm Computing will ship next month Palm III, third generation of its PalmPilot organizer; will feature infrared port)  
Information Week, p 115  
March 16, 1998  
DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 380

(USE FORMAT 7 OR 9 FOR FULLTEXT)

## TEXT:

...older models toward the purchase of a Palm III.

Signaling the increasing popularity of the **PalmPilot**, Symbol Technologies Inc., a major vendor of **bar - code scanners**, says it will develop **PalmPilots** equipped with **scanners** and radio **transmitters**. Symbol plans to introduce the PalmPilot to a variety of vertical business markets such as...

**12/3,K/5 (Item 5 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

00533699 Supplier Number: 23048696  
**Yaesu Musen Launches Sales of Two Cellular Bar Code Readers**  
(Yaesu Musen offers the YRB-400 wireless portable bar code reader and the YRB-450 optical transmission bar code reader)  
Nikkan Kogyo Shimbun, p 11  
August 23, 1994  
DOCUMENT TYPE: Business Newspaper (Japan)  
LANGUAGE: Japanese RECORD TYPE: Abstract

## ABSTRACT:

...Co. Ltd. announced the launch of sales of the YRB-400 wireless portable bar code **reader** and the YRB-450 optical transmission bar code **reader**. The YRB-400 model integrates a **bar code reader** and **wireless** modem. The **device transmits** the information it collects to a host computer,

enabling real-time processing of data. The...

**12/3,K/6 (Item 1 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

01668348      SUPPLIER NUMBER: 15073798      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**AT&T eliminates wrong numbers with Spectrum One assembly. (using Spectrum One radio frequency technology to manufacture PBX systems)**  
Industrial Engineering, v26, n1, p14(1)  
Jan, 1994  
ISSN: 0019-8234      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 775      LINE COUNT: 00060

... boards are also bar coded and scanned.  
The LRT 3800, combines a non-contact laser **scanner**, a 16-bit DOS computer, keyboard and screen, with the Symbol Spectrum One RF network in a **portable**, hand-held **device**. This **transmits** the **bar coded** information back over the network to the facility's designated host computer. The information (correct...).

...is prompted with an audible signal. An incorrect reel triggers a distinguishable warning beep when **scanned**.

"By combining bar coding and radio frequency, we've improved quality and we know it..."

**12/3,K/7 (Item 1 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02726287      Supplier Number: 66916828      (USE FORMAT 7 FOR FULLTEXT)  
**Sabre Just Made Airport Traveling Easier, Faster.**  
PR Newswire, pNA  
Nov 14, 2000  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 817

... their flight. After validating the passenger's identity using voice biometrics, the new system will **transmit** a **bar - coded** boarding pass image to the traveler's **wireless device**. This image can then be **read** at the boarding gate, allowing the passenger to board the flight without stopping anywhere else...

**12/3,K/8 (Item 2 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02690872      Supplier Number: 66188024      (USE FORMAT 7 FOR FULLTEXT)  
**Sabre Teams With Impulsity to Deliver New Wireless Airport Check-in Capability.**  
PR Newswire, p1352  
Oct 18, 2000  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 487

... a PDA. After validating the passenger's identity using voice biometrics, the new system will **transmit** a **bar - coded** boarding pass image to the traveler's **wireless device**. This image can then be **read** at the boarding gate, allowing the passenger to board the flight without stopping anywhere else...

**12/3,K/9 (Item 3 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02481599 Supplier Number: 61802963 (USE FORMAT 7 FOR FULLTEXT)  
**eMobee and ZapZone Network Collaborate to Wireless-Enable Personal Content.**  
PR Newswire, pNA  
April 12, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 591

... current "killer app" on the web with unrestricted and unlimited functionality, webmasters can make content **readily** available to those in the network who rely on relevant, timely information," said David Liu...

...wireless eCommerce -- what we call M-Commerce -- the ease and convenience of shopping from a **mobile phone**, with emailed **confirmation sent** directly to your ZZN email account."  
According to Shannon Carter, executive producer of the ZapZone...

**12/3,K/10 (Item 4 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

01219578 Supplier Number: 43857932 (USE FORMAT 7 FOR FULLTEXT)  
**DATA CAPTURE SYSTEMS TO INSTALL WAREHOUSE CONTROL SYSTEM FOR MAJOR RETAILER**  
News Release, p1  
May 25, 1993  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 169

... radio frequency data communications equipment and software from Data Capture Systems. The system will utilize **bar code** **scanning**, and hand-held and **mobile** mount **terminals** to capture and **transmit** data in real time.

Data Capture Systems was established in 1989 and spedalizes in inventory...

**12/3,K/11 (Item 5 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

01120733 Supplier Number: 40932171 (USE FORMAT 7 FOR FULLTEXT)  
**Equipment Management**  
News Release, pN/A  
Sept 7, 1989

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 212

... process of equipment management.  
Portable hand-held terminals (portable bar code readers) with an electronic wand **read bar code** labels. Data accumulated in the **portable terminal** is **transmitted** to the central computer and used to update the installation's database.

The NEMS database...

**12/3,K/12 (Item 1 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

05306623 Supplier Number: 48078397 (USE FORMAT 7 FOR FULLTEXT)  
**PalmPilot Steps Out -- Vendors plan industry-specific versions**

Davey, Tom  
InformationWeek, p117  
Oct 27, 1997

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Tabloid; General Trade  
Word Count: 510

... computing. Symbol Technologies, a major developer of mobile computing products for vertical applications, is adapting **PalmPilot** for **bar - code scanning** applications, and to **send** data via radio links. It's also building a version of the device that's...

**12/3,K/13 (Item 2 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

03839289 Supplier Number: 45493100  
**Symbol Technologies - Company Report**  
Investext, p1-5  
April 24, 1995  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

**ABSTRACT:**

...leader in barcode based data transaction systems. These products include single function laser **bar code scanners**, integrated **portable terminals** (which collect data and **transmit** such information), and wireless local area data networks. Symbol's products provide managers with...

...was almost (90%) totally dependent on retail customers, mainly for point-of-sale (POS) **scanning**. Now retail represents just 45% of revenues, as new industrial and commercial markets have begun to use **scanners**, terminals, integrated **scanner** terminals and 3-D bar codes, and retail itself has diversified into in-store...

**12/3,K/14 (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2006 The Gale Group. All rts. reserv.

02763120 Supplier Number: 43703876 (USE FORMAT 7 FOR FULLTEXT)  
**NEC Starts Marketing Portable Data Terminal Equipped with Barcode Reader and Radio System**

Comline Computers, p5

March 10, 1993

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 113

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

NEC Corp. (6701) has started marketing a **portable** data **terminal** equipped with a **barcode reader** and a radio system. The "N6919 Model40SR **Portable Terminal**", which **sends** data from the field to the host computer and POS systems at the office over...

**12/3,K/15 (Item 1 from file: 148)**  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

12880523 SUPPLIER NUMBER: 67591431 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Compact bar code scanner with scan mirror jointly movable with drive component.(Brief Article)**

LI Business News, 47, 46, 44A

Nov 17, 2000

DOCUMENT TYPE: Brief Article ISSN: 0894-4806 LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 215 LINE COUNT: 00020

... of the scanner, which is activated by the operator's thumb. The electronics in the **bar code reader** **sends** the analog signal to a **portable** control **terminal** mounted on a wrist band of the operator. The portable terminal includes an LED display...

...also located in the control terminal. The output of the decoder is data representing the **scanned** bar code symbol, is then transmitted to the central computer.

This patent has been assigned...

Set        Items        Description

S1        3838332        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
OR TRANSFER? OR RELAY?

S2        325102        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
MERCHANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
ERSAL()PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU

S3        1168131        (CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR-  
ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER?  
? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR  
PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC-  
KBERR? OR PA

S4        3861917        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
CAL(1W)READER

S5        4111378        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
RETAILER? OR SELLER? OR STORE OR STORES

S6        210        S1(4N)S2(4N)S3

S7        79        S6(S)S4

S8        19        S7(4S)S5

S9        11        RD (unique items)

S10        2        S9 NOT PY>2000

S11        26        S7 NOT PY>2000

S12        15        RD (unique items)

S13        103071        (MOBILE OR M OR WIRELESS) (1W) (COMMERCE OR ECOMMERCE OR E() -  
COMMERCE OR BUSINESS OR PAYMENT? OR SETTL?) OR MCOMMERCE

S14        5240        S2(S)S3(S)S4

S15        318        S14(4S)S13

S16        120        S15 NOT PY>2000

S17        48        RD (unique items)

S18        252        S14(2S)S13

S19        106        S18 NOT PY>2000

S20        41        RD (unique items)

File        9:Business & Industry(R) Jul/1994-2006/May 19  
(c) 2006 The Gale Group

File        275:Gale Group Computer DB(TM) 1983-2006/May 19  
(c) 2006 The Gale Group

File        621:Gale Group New Prod.Annou.(R) 1985-2006/May 22  
(c) 2006 The Gale Group

File        636:Gale Group Newsletter DB(TM) 1987-2006/May 19  
(c) 2006 The Gale Group

File        16:Gale Group PROMT(R) 1990-2006/May 22  
(c) 2006 The Gale Group

File        160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File        148:Gale Group Trade & Industry DB 1976-2006/May 22  
(c) 2006 The Gale Group

20/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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02304690 Supplier Number: 25853314 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Scanning the horizon

(Symbol Technologies wants to bring its data-scanning and transmission capabilities to emerging mobile commerce sector, says CEO in interview)  
Institutional Investor Americas, v XXXIV, n 10, p 32+

October 2000

DOCUMENT TYPE: Journal; Interview ISSN: 0020-3580 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1477

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...its data-scanning and transmission capabilities. These opportunities revolve around the rapidly emerging field of **mobile commerce**, or **m-commerce**, says CEO Tomo Razmilovic.

Symbol is contributing its **bar code** technology to a company it is forming with mobile communications leaders Motorola and Telefonaktiebolaget LM Ericsson. Users of **wireless phones**, television set-top boxes and **personal digital assistants**, or **PDAs**, would be able to **scan** codes from newspaper or TV ads, for example, and be connected to Internet sites to...

...traditional businesses that find it hard enough to adapt to e-commerce may not be **ready** to embrace Symbol's vision of **m-commerce**.

photo omitted

Razmilovic, who had been chief operating officer before succeeding Symbol founder Jerome Swartz...

...our business. Mobile systems make up more than 60 percent. It's the combination of **bar code** technology, mobile computing and wireless connectivity that is the killer. We've always envisioned the **bar code** as a world standard for commerce and communication. It costs next to nothing to use...

...same way in China, Japan, Europe, Australia or the U.S. We had talked about **bar codes** in **mobile commerce** internally before the Internet, but now it's really possible, with **wireless phones** having Internet access.

How do you envision **m-commerce** working in practice?

Wherever you are, your cellular phone or PDA will have a small scanning device so that you can scan **bar codes** from newspaper advertisements, from TV screens. You can enter the **bar code** on the Web, and it will take you right to the site where that product can be purchased.

How pervasive could **m-commerce** become?

I don't believe it will be a niche, but I also don't...

20/3,K/2 (Item 2 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)

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02271742 Supplier Number: 25844171 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Andersen prototype offers wireless Web billing solution**  
**(Andersen Consulting launches a Mobile Micropayments prototype service**  
**allowing a vending machine to notify a mobile device of its contents as**  
**the user walks by the machine)**  
RCR Wireless News, v 19, n 39, p 34  
September 25, 2000  
DOCUMENT TYPE: Journal ISSN: 0744-0618 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 362

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...through their mobile phones.

"We believe that one of the keys to the success of **mobile commerce** will be to enable flexible, cost-effective transactions" said Martin Illsley, director of technology research...

...plans call for short-range radio technologies to further expand the range of possibilities for **mobile - commerce** applications.

Andersen noted other potential uses for the technology include a pocket bargain finder that combines a bar-coder reader, an Internet-enabled **cell phone** and shopping-agent technology to allow users to find the best online price for books...

**20/3,K/3 (Item 3 from file: 9)**  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2006 The Gale Group. All rts. reserv.

02230080 Supplier Number: 25800893 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Wireless Era Is Well Underway in Buffalo, N.Y., Area**  
**(Wireless on the rise; 100 mil US wireless subscribers in the US)**  
Buffalo News, p N/A  
August 14, 2000  
DOCUMENT TYPE: Regional Newspaper (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1503

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...95 a month including 60 minutes of connect time.

E-commerce may give way to **m - commerce** -- the "m" is for mobile -- as wireless Web technology allows people to shop and pay...

...number. Subscribers connect with the service over an encrypted connection to authorize payments, turning their **wireless phone** into an electronic wallet.

Not all early adopters of wireless data are thrilled, however. Jeff...

**20/3,K/4 (Item 1 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)

(c) 2006 The Gale Group. All rts. reserv.

02452526      SUPPLIER NUMBER: 66276787      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Number in the Sky. (Industry Trend or Event)**

Rockhold, John  
Wireless Review, 17, 19, 3  
Oct 1, 2000  
LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 1472      LINE COUNT: 00120

... Group analyst, believes that mobile comparison shopping will be more widely accepted than any other **m - commerce** application. Hswe thinks that it will be immediate hit because it does not require the...

...will have to convince their customers that privacy and security will not be compromised for **m - commerce** applications. Those that provide practical convenience and help where it matters most, the wallet or purse, will ease consumers into the **m - commerce** water.

AT&T Wireless and Verizon offer mobile comparison shopping from BarPoint.com. There, a...

...to purchase the item. Eventually users of BarPoint's mobile service may be able to **scan** the UPC with a **scanner** -enabled **wireless device**.

DealTime takes the mobile comparison-shopping concept and "puts it on steroids," according to Garret...

**20/3,K/5 (Item 2 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

02393932      SUPPLIER NUMBER: 61838393      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**stores ok with rise of wireless ; Say shoppers with Web phones not a threat . (Industry Trend or Event)**

Brewin, Bob; Sliwa, Carol  
Computerworld, 1(1)  
May 1, 2000  
ISSN: 0010-4841      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 705      LINE COUNT: 00059

... Dulaney, an analyst at Gartner Group Inc. in Stamford, Conn., said he doesn't believe **wireless e - commerce** will affect traditional retailers to any revolutionary degree. By 2003, Dulaney said, it's likely ...

...the 70 million users of Web-enabled phones in the U.S. will be conducting **wireless e - commerce** transactions.

Dulaney said that while wireless comparison shopping "will probably make some retailers angry, it..."

...in Fort Lauderdale, Fla., has spent the past year amassing a database of millions of **universal product codes** that will allow consumers to type -- and, soon, to **scan** -- codes into their **cell phones** and then make a comparison on the company's Web site.

The company "does not..."

**20/3,K/6 (Item 3 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

02313551      SUPPLIER NUMBER: 55100405      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Mobile E-Commerce Evolves. (Internet)(Internet/Web/Online Service**

**Information)**  
Redman, Phillip  
e-Business Advisor, 17, 7, 20  
July, 1999

LANGUAGE: English      RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3055      LINE COUNT: 00260

... 1999, Sybase announced a couple of SQL Anywhere Studio adopters. Abco, Inc., which integrates barcode **scanning** onto **mobile devices** into ERP applications, targets manufacturing, distribution, and field service. Workers will be able to remotely...

...workers with more tools incorporating communications features and Web browsers, are halfway to implementing a **mobile e-commerce** solution.  
**Mobile services implementation challenges**  
Although middleware has been around for some time, there are...

**20/3,K/7      (Item 4 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

02273008      SUPPLIER NUMBER: 53959464      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**France Telecom Readies E-Commerce By Phone Service 02/24/99.**

Newsbytes, NA  
Feb 24, 1999  
LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 563      LINE COUNT: 00046

TEXT:

...La Rue, of the world's major suppliers of plastic cards, revealed that it is **readying** a smart card platform for use by France Telecom Mobiles and Cartes Bancaires. France Telecom Mobiles and Cartes Bancaires are, respectively, a GSM (global system for **mobile** communications) **mobile phone** network and a credit card issuer/processor, both of which operate extensively in France, Newsbytes...

...to officials with Del La Rue, the plan is to develop the world's first **mobile e-commerce** system based on a twin-card version of Motorola's StarTAC **mobile phone** and De La Rue's SIMphonIC subscriber identification module (SIM) card toolkit card. Plans call...

...the transaction to the chip on the smart card. Furthermore, if the retailer has a **mobile commerce** server -- back in the office, for example -- the transaction details, together with **confirmation** of a bank transfer, can be relayed in a matter of seconds to the retailer...

...thanks to the new service, the company's customers will be able to use their **mobile phone** for access to day-to-day goods and services. "This **mobile commerce** service reflects the future of convergence between mobile and banking services," he said. Yves Randoux...

**20/3,K/8      (Item 1 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2006 The Gale Group. All rts. reserv.

02764074 Supplier Number: 68271681 (USE FORMAT 7 FOR FULLTEXT)  
**Brience Enables BarPoint.com's Customers to 'Comparison Shop' Using Any Wireless Device.**  
Business Wire, p0076  
Dec 20, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 696

... platform was the only product on the market that could offer us both an immediate **mobile - commerce** solution and a long-term strategic growth plan that ultimately enables our customers to access...

...a swift and painless implementation cycle."

Brience now enables BarPoint.com customers to enter or **scan** a UPC symbol or barcode from any store shelf into a **wireless device** in order to access relevant product, price comparison and store information -- from any location, at...

**20/3,K/9 (Item 2 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
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02757654 Supplier Number: 68013406 (USE FORMAT 7 FOR FULLTEXT)  
**Second University in Mexico Adopts Paperclick Enterprise.**  
Business Wire, p0119  
Dec 14, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 856

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as IncaScan and Symbol(R) Technologies; as well as tethered access...  
...Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones** . PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code** , users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/10 (Item 3 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
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02757389 Supplier Number: 68013090 (USE FORMAT 7 FOR FULLTEXT)  
**NetFrontier Heralds New Name, New Funding; Company Renamed ``APRIVA''; \$14.3 Million Received in Funding From Major Venture Capital Firms.**

Business Wire, p0414  
Dec 13, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 715

... has launched a new name and announced significant new funding to begin marketing its unique **wireless business** solutions.

With a **wireless** handheld **device** and APRIVA peripheral device, employees of companies large and small can easily **read** credit cards, smart cards, and **bar codes** for applications such as transaction processing, inventory control, and data gathering.

The company's new...

**20/3,K/11 (Item 4 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02750461 Supplier Number: 67624599 (USE FORMAT 7 FOR FULLTEXT)

**Microvision Demonstrates Novel Laser-Scanning Engine for Bar Code Products**  
**Company Says Devices Equipped With Low Cost Scanning Technology Will Make**  
**Mobile Internet Scanning Possible at 'Giveaway' Prices.**

PR Newswire, pNA  
Dec 6, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 722

... Inc., (Nasdaq: MVIS) announced today that its Imaging Solutions Group has successfully demonstrated a prototype **bar code scan** engine that features a highly innovative laser- **scanning** mechanism. The announcement follows the demonstration by the company in October of a **bar - code reading** device that featured proprietary decode software and electronics that promise to improve **scanning** performance and reduce cost. This latest development focuses on improvements to the **scanning** optics, and makes use of novel design concepts to achieve the very low-power operation, small size and low cost that will be essential for use with **mobile Internet devices**.

Scan engines based on this technology will enable hand-held and mobile devices to link...

...at a code on a printed page. According to recently published market research, revenue from **mobile commerce** ( **M - commerce** ) -- Internet commerce initiated by mobile devices -- is projected to grow from \$4 billion worldwide this...

**20/3,K/12 (Item 5 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02735997 Supplier Number: 67443766 (USE FORMAT 7 FOR FULLTEXT)

**NeoMedia Technologies, Inc., Board Approves Stock Repurchase Plan.**

Business Wire, p2448  
Nov 30, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 632

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...the PaperClick trademark on the ASP site [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as Symbol(R) Technologies and Welch Allyn. PaperClick ToGo(tm) technology provides mobile linkage to Web content through PalmOS(tm) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/13 (Item 6 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02712491 Supplier Number: 66624116 (USE FORMAT 7 FOR FULLTEXT)  
**University Adopts PaperClick Enterprise; Universidad Regiomontana Integrates PaperClick Codes into E-Learning Program.**  
Business Wire, p0349  
Nov 6, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 741

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/14 (Item 7 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02699759 Supplier Number: 66319648 (USE FORMAT 7 FOR FULLTEXT)

**PaperClick Enterprise Enables Publisher's E-commerce Site.**

Business Wire, p2409

Oct 25, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 795

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3, K/15 (Item 8 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
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02692810 Supplier Number: 66214613 (USE FORMAT 7 FOR FULLTEXT)

**ADVISORY/ Press Teleconference to Discuss NeoMedia's \$100+ Million Patent Licensing Contract With Digital:Convergence.**

Business Wire, p2589

Oct 19, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 520

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch...

...Held Products. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination.

NeoMedia also provides proprietary software for document management...

**20/3,K/16 (Item 9 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02691496 Supplier Number: 66208212 (USE FORMAT 7 FOR FULLTEXT)

**NeoMedia Signs \$100+ Million Patent Licensing Contract With  
Digital:Convergence.**

Business Wire, p2127  
Oct 19, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 812

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/17 (Item 10 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02633529 Supplier Number: 65056727 (USE FORMAT 7 FOR FULLTEXT)  
**Gamut Interactive, Inc. Announces 'Who's Who' Leadership Roster; Ex-US West  
Communications and Palm Computing Executives Find New Challenges In  
Convergence Platform Start-Up.**

Business Wire, p0032  
Sept 7, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 913

... commerce more convenient, cost effective and relevant for consumers and marketers through the marriage of **mobile commerce** and marketing measurement across electronic, print and broadcast media channels.

With patented technology that facilitates...

...convergence of a full range of media, including television, two-way wireless, Internet and print **bar code scanning**, Gamut Interactive lets consumers point and click to place wireless orders and receive special promotional offers via a **portable**, handheld electronic **device** called

the Gamut. Headquartered in Scottsdale, Arizona, Gamut Interactive is backed by Andersen Consulting, Central...

**20/3,K/18 (Item 11 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02613066 Supplier Number: 64335540 (USE FORMAT 7 FOR FULLTEXT)  
**NeoMedia Board Decides to License Intellectual Property Suite; Position Will Allow Companies to Develop Rapidly Emerging Market.**

Business Wire, p2399  
August 17, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 719

... on-line information, such as the Web, using a variety of auto-ID technologies including **bar code scanners**, RF/ID, magnetic stripe cards, audio coding and voice recognition input, pertinent in a number of **mobile commerce** applications, including use with digital and analog **cell phones** over audio portals. The Company also has an extensive portfolio of pending US and foreign...

...in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...  
...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated bar code routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch...

...Held Products. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones** . PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code** , users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/19 (Item 12 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02607282 Supplier Number: 64153264 (USE FORMAT 7 FOR FULLTEXT)  
**NeoMedia's PaperClick ``Go Window'' Simplifies Web Access, Expedites Linkage Between Physical and Digital Worlds.**

Business Wire, p2570  
August 14, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 928

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets,

as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or scanning the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/20 (Item 13 from file: 621)**

DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2006 The Gale Group. All rts. reserv.

02598128 Supplier Number: 63863252 (USE FORMAT 7 FOR FULLTEXT)

**NeoMedia Technologies CEO Featured On Wallstreetreporter.com; Charles W. Fritz, NeoMedia's Chairman and CEO, Discusses Company's Leadership in Print-to-Web Technology Market.**

Business Wire, p2145

August 4, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 636

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/21 (Item 14 from file: 621)**

DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
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02597932 Supplier Number: 63855165 (USE FORMAT 7 FOR FULLTEXT)

**CIBER Hosts Wireless Summit; Nation's Largest Technology Companies Join Roundtable.**

Business Wire, p0034  
August 4, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 698

... teamed up with the United States Postal Service to integrate and implement a low-cost, **portable** electronic **scanning device** for postal employees to use at airports nationwide to monitor air carriers' performance and track...

...Service in choosing and integrating into its data warehousing system the Symbol SPT 1700 series **bar code scanning** devices based on the Palm Computing(R) platform, coupled with ScoutSync software from Aether Software. These **scanning** devices assist the Postal Service in streamlining its data collection process and more efficiently monitoring...

...and iSovia.

"We are in the midst of an economic transition from e-commerce to **m-commerce**. The entrepreneurs, venture capitalists and innovative market leaders are all racing to position themselves for..."

...This roundtable discussion is a great opportunity for leaders to talk about the impact of **m-commerce** on next-generation business applications."

Kalakota is a pioneer and visionary in wireless technology and...

**20/3,K/22 (Item 15 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02594990 Supplier Number: 63814723 (USE FORMAT 7 FOR FULLTEXT)  
**Following Its Partnership with Motorola, Symbol Technologies and Ericsson's Connect Things, AirClic Continues to Drive Mobile Commerce Industry.**  
Business Wire, p2110  
August 2, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1275

... Top Technology, Consumer Products and Telecommunication Leaders  
AirClic Inc., a founder of One-Scan (TM) **mobile - commerce**, today announced the appointment of a stellar management team: Paul G. Boitmann, vice president of...

...the development and widespread deployment of technology that will enable all Internet-enabled devices (including **cellular phones**, **personal digital assistants**, two-way pagers and cable TV set-top terminals) to **scan bar - codes** printed in advertisements, posters, product packages, etc., and instantly connect to a specific Web page...  
...have begun assembling the best prepared team for the biggest and best-financed deployment in **mobile commerce**," said Chief Executive Officer David A. Klatt, who, along with Chief Financial Officer J. Patrick ...

**20/3,K/23 (Item 16 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

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02594762 Supplier Number: 63812832 (USE FORMAT 7 FOR FULLTEXT)  
**Gamut Interactive Integrates With Symbol Technologies To Bring Scanning Benefits to Consumers; Bar Code Technology Enhances Interactive Device's Reach.**

Business Wire, p0025

August 2, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 593

... commerce more convenient, cost effective and relevant for consumers and marketers through the marriage of **mobile commerce** and marketing measurement across electronic, print and broadcast media channels.

With patented technology that facilitates...

...convergence of a full range of media, including television, two-way wireless, Internet and print **bar code scanning**, Gamut Interactive lets consumers point and click to place wireless orders and receive special promotional offers via a **portable**, handheld electronic **device** called the Gamut. Headquartered in Scottsdale, Ariz., Gamut Interactive is backed by Andersen Consulting, Central...

**20/3,K/24 (Item 17 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02593123 Supplier Number: 63796275 (USE FORMAT 7 FOR FULLTEXT)  
**NeoMedia Technologies Reports Second Quarter and Six Month Results.**  
Business Wire, p0262  
August 1, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 873

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...Welch Allyn.

PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/25 (Item 18 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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02587672 Supplier Number: 63711541 (USE FORMAT 7 FOR FULLTEXT)  
**NeoMedia Technologies Chairman and CEO Charles W. Fritz Interviewed by CEOcast.com.**

Business Wire, p2212  
July 27, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 684

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/26 (Item 19 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
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02587167 Supplier Number: 63699622 (USE FORMAT 7 FOR FULLTEXT)  
**InfoSpace Reports Record Second Quarter Results And Announces Plans To Acquire Leading Broadband Infrastructure Company Go2Net.**  
PR Newswire, pNA  
July 26, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 3522

... s credit card statement through secure back-end transaction processing.

InfoSpace also offers a new **mobile commerce** service that allows wireless shoppers or the traditional store shopper to enter anything that is...

...as model number, part number, barcode, international standard book number (ISBN), product name or even **scan** in a UPC code -- to uniquely and most accurately locate a product, comparison shop and...

...when they want, where they want and how they want" with a single click via **cellular phones**, land-line telephones, CE or palm devices, two-way pagers and standard browsers.

InfoSpace has...

**20/3,K/27 (Item 20 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou. (R)  
(c) 2006 The Gale Group. All rts. reserv.

02585961 Supplier Number: 63697462 (USE FORMAT 7 FOR FULLTEXT)

**NeoMedia Technologies Announces Additional Patents Allowance Around Core Technology.**

Business Wire, p2593

July 26, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 670

... on-line information, such as the Web, using a variety of auto-ID technologies including **bar code scanners**, RF/ID, and magnetic stripe cards. In addition to the previously issued machine- **readable** capabilities, one of the new patents also incorporates audio coding and voice recognition input pertinent in a number of **mobile commerce** applications including use with digital and analog **cell phones** over audio portals. Taken together, the new patents consist of over 125 additional claims and...

...be so easy that even plain vanilla telephones will become Web entry points to enable **mobile commerce**. Meanwhile our intellectual property position continues to strengthen reflecting our early vision and initiative."

About...

...business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and mobile commerce ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated bar code routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3, K/28 (Item 21 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02581303 Supplier Number: 63633531 (USE FORMAT 7 FOR FULLTEXT)

**NeoMedia Technologies Introduces PaperClick Private Label.**

Business Wire, p2543

July 24, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1186

... on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or scanning the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access

to Web content from print media, through a variety of **scanning** devices from manufacturers such as A....Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/29 (Item 22 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02563481 Supplier Number: 63261226 (USE FORMAT 7 FOR FULLTEXT)  
**NeoMedia Technologies Introduces PaperClick Version 3.0; Most Advanced Print-to-Web Connectivity ASP Adds New Features and Easier Operation.**  
Business Wire, p2462  
July 10, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 702

... in the business-to-business (B2B), business-to-consumer (B2C), business-to-employee (B2E), and **mobile commerce** ( **mCommerce** ) markets, as well as throughout multiple industries including publishing, retail, manufacturing and education.

NeoMedia markets...

...PaperClick(TM) trademark on the ASP site, [www.paperclick.com](http://www.paperclick.com). Entering a PaperClick code, or **scanning** the associated **bar code** routes **readers** directly to relevant Web information. NeoMedia's technology provides totally un-tethered access to Web content from print media, through a variety of **scanning** devices from manufacturers such as A.T. Cross(R) Company, Symbol(R) Technologies, and Welch Allyn. PaperClick ToGo(TM) technology provides mobile linkage to Web content through PalmOS(TM) **PDA** devices and Internet-enabled **cellular phones**. PaperClick is the optimal solution because it also provides access to these capabilities without a **scanning** device. By activating the PaperClick Go Window and entering a numeric string associated with the PaperClick **bar code**, users can reach their desired Web destination. NeoMedia also provides proprietary software for document management...

**20/3,K/30 (Item 23 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02549137 Supplier Number: 62915694 (USE FORMAT 7 FOR FULLTEXT)  
**Socket and Thinque to Deliver Field Force Automation Solutions for Windows Powered Pocket PCs.**  
Business Wire, p0253  
June 26, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 627

... customer relationship management and field force automation solutions, today announced an agreement to co-market **mobile business**

products based on the new generation of Pocket PCs powered by Microsoft's Windows operating...

...connectivity, and Thinque's Sales Portfolio software for customer relationship management.

Socket's In-Hand **Scan** Card is a CompactFlash plug-in card with an integrated **bar code** laser **scanner** from Symbol Technologies. The card allows Pocket PC users to **scan bar codes** with one hand. Socket's Digital Phone Card is an energy-efficient plug-in card that makes it easy to connect any Windows-based **PDA** or notebook to data-capable **mobile phones** made by Nokia, Ericsson, Qualcomm, Siemens and others, and to use these phones as wireless...

**20/3,K/31 (Item 24 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02481599 Supplier Number: 61802963 (USE FORMAT 7 FOR FULLTEXT)  
**eMobee and ZapZone Network Collaborate to Wireless-Enable Personal Content.**  
PR Newswire, pNA  
April 12, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 591

... Liu, President and CEO of eMobee, Inc. "The next step for eMobee is to provide **wireless eCommerce** -- what we call **M - Commerce** -- the ease and convenience of shopping from a **mobile phone**, with emailed **confirmation** sent directly to your ZZN email account."

According to Shannon Carter, executive producer of the...

**20/3,K/32 (Item 25 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02465393 Supplier Number: 61697597 (USE FORMAT 7 FOR FULLTEXT)  
**InfoSpace Reports Fourth Consecutive Profitable Quarter.**  
PR Newswire, pNA  
April 26, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 3314

... s credit card statement through secure back-end transaction processing.

InfoSpace recently launched a new **mobile commerce** service that allows wireless shoppers or the traditional shopper to enter anything that is known...

...as model number, part number, barcode, international standard book number (ISBN), product name or even **scan** in a UPC code -- to uniquely and most accurately locate a product, comparison shop and...

...when they want, where they want and how they want" with a single click via **cellular phones**, land-line telephones, CE or palm devices, two-way pagers and standard browsers.

Merchant Services...

**20/3,K/33 (Item 26 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
(c) 2006 The Gale Group. All rts. reserv.

02302665 Supplier Number: 59124533 (USE FORMAT 7 FOR FULLTEXT)  
**BarPoint.com Debuts New Computer Hardware and Software Categories.**  
Business Wire, p1125  
Feb 2, 2000  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 788

... on purchasing computer software simply access BarPoint through their website () or on your web-enabled **mobile device**, select the &quot;Computer Software&quot; category and enter the **UPC**, i.e. 047875105058. This will return a page that includes detailed manufacturer contact information, competitive...

...provide online purchasing capabilities.  
About Barpoint.com

BarPoint.com is the single, authoritative source for **mobile** Internet **commerce**; bridging the gap between the broad selection of products offered online with the confidence and...

**20/3,K/34 (Item 1 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2006 The Gale Group. All rts. reserv.

04863457 Supplier Number: 67974386 (USE FORMAT 7 FOR FULLTEXT)  
**Brokat Announces Mobile Wallet Software.**  
Card News, v15, n25, pNA  
Dec 13, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 465

(USE FORMAT 7 FOR FULLTEXT)  
TEXT:

San Jose-based Brokat (BROA), a provider software and services for **m - business** including infrastructure products for rules-driven personalization, **mobile payment**, transactional m-services and integration, as well as applications for Internet banking and brokerage, Dec...

...software product that enables the secure and reliable purchasing of goods and services from any **wireless device**. Brokat Mobile Wallet is a secure environment for wireless service providers, credit card companies, financial...and frequent flier numbers can be entered, giving consumers a true virtual wallet on their **mobile devices**. "By storing personal information beyond billing and addresses, Brokat Mobile Wallet is taking **mobile payment** to a new level, creating a digital representation of a person's preferences that isAir' philosophy - making secure, wireless information as **readily** and effortlessly available as the air we breathe." John R. Rymer of Upstream Consulting, an...

...trend toward making shopping, stock trading, marketing, and other forms of e-commerce available to **wireless device** users. But wireless is completely different from the wired Web. The leap to **wireless e -**

**commerce** will require new infrastructure, such as Brokat Mobile Wallet, which will enable such transactions." When shopping using a **mobile device**, the customer is authenticated by username and password. Brokat Mobile Wallet integrates with retail merchant ...from the consumer's wallet profile. Once the transaction is complete, the consumer receives a **confirmation** number or receipt verifying the purchase. Personal information is stored centrally, and not on the...

**20/3,K/35 (Item 2 from file: 636)**  
 DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
 (c) 2006 The Gale Group. All rts. reserv.

04760939 Supplier Number: 64456865 (USE FORMAT 7 FOR FULLTEXT)  
**SERVICE PLATFORM DELIVERS DEEPER CUSTOMER RELATIONSHIPS, REVENUE.**  
 Electronic Commerce News, v5, n33, pNA  
 August 21, 2000  
 Language: English Record Type: Fulltext  
 Document Type: Newsletter; General  
 Word Count: 499

... owns the valuable relationship with that subscriber or spend considerable time and resources to develop **mobile commerce** offerings in-house and continue to invest money in updating that offering to prevent customers...advanced by the service platform. He says carriers can instantly roll out a suite of **mobile commerce** services under their own brand, including services that allow users to find local merchants; comparison shop by entering or **scanning** a **UPC** code, part number, **barcode** or ISBN; receive electronic promotions and coupons relevant within the context of where a user is and the products and services they are looking for; and make purchases directly from **wireless devices** via single-click purchasing and electronic wallet services.

"Because these services are rolled out under..."

**20/3,K/36 (Item 1 from file: 16)**  
 DIALOG(R)File 16:Gale Group PROMT(R)  
 (c) 2006 The Gale Group. All rts. reserv.

08608206 Supplier Number: 72443294 (USE FORMAT 7 FOR FULLTEXT)  
**Mobile e-commerce: hype on steroids.(Industry Trend or Event)**  
 Anderson, Yankee Ingenuity . Howard  
 Network World, p37  
 Dec 25, 2000  
 Language: English Record Type: Fulltext  
 Document Type: Magazine/Journal; General Trade  
 Word Count: 781

... companies are suggesting might be the new killer app - one that combines global positioning with **m-commerce** and ties it into a neat package. But not so fast, Sherlock.

Think of the...

**20/3,K/37 (Item 2 from file: 16)**  
 DIALOG(R)File 16:Gale Group PROMT(R)  
 (c) 2006 The Gale Group. All rts. reserv.

08131736 Supplier Number: 66939690 (USE FORMAT 7 FOR FULLTEXT)  
**Scanning the horizon.(Symbol Technologies Inc. seeks to expand bar code**

**applications) (Interview) (Statistical Data Included)**  
Institutional Investor, v34, n10, p32  
Oct, 2000  
Language: English Record Type: Fulltext  
Article Type: Interview; Statistical Data Included  
Document Type: Magazine/Journal; Trade  
Word Count: 1599

... its data-scanning and transmission capabilities. These opportunities revolve around the rapidly emerging field of **mobile commerce**, or in-commerce, says CEO Tomo Razmilovic.

Symbol is contributing its bar code technology to...

...LM Ericsson. Users of wireless phones, television set-top boxes and personal digital assistants, or **PDAs**, would be able to **scan** codes from newspaper or TV ads, for example, and be connected to Internet sites to...

...traditional businesses that find it hard enough to adapt to e-commerce may not be **ready** to embrace Symbol's vision of **m-commerce**.

Razmilovic, who had been chief operating officer before succeeding Symbol founder Jerome Swartz as CEO...

...our business. Mobile systems make up more than 60 percent. It's the combination of **bar code** technology, mobile computing and wireless connectivity that is the killer. We've always envisioned the **bar code** as a world standard for commerce and communication. It costs next to nothing to use...

...same way in China, Japan, Europe, Australia or the U.S. We had talked about **bar codes** in **mobile commerce** internally before the Internet, but now it's really possible, with **wireless phones** having Internet access.

How do you envision **m-commerce** working in practice?

Wherever you are, your cellular phone or PDA will have a small scanning device so that you can scan **bar codes** from newspaper advertisements, from TV screens. You can enter the **bar code** on the Web, and it will take you right to the site where that product can be purchased.

How pervasive could **m-commerce** become?

I don't believe it will be a niche, but I also don't...

**20/3, K/38 (Item 3 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

07962890 Supplier Number: 66498286 (USE FORMAT 7 FOR FULLTEXT)  
**M-commerce FOR BEVERAGE WHOLESALERS.**

Landman, Max  
Beverage Industry, v91, n9, p84  
Sept, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1596

... 14.4 Kbps for wireless data transfer. Slow speed has been an obstacle to increased **mobile commerce** use. AT&T Wireless Services and Nortel Networks Corp. will soon begin trials of technology...

...WAP enabled web sites. Motorola, Symbol Technologies, Connect Things and AirClic are jointly developing one- **scan** access to the Internet. A special

**bar code** put on a product, brochure or television will contain detailed instructions for Internet access. When it is **scanned** with a one- **scan** **cell phone** or TV remote, a Web site will be automatically called and an order placed. All that's needed is one- **scan** handhelds at work to help pay for your kids clicking away with their new one- **scan** TV remote. Sometimes, the future seems pretty scary.

The transfer of B2B data through the...

...supply chain. Companies such as BevAccess already collect a retailer's orders on the Internet. **M-commerce** technologies, such as one-scan, will further facilitate e-commerce. The placement of global positioning...

...U. S. government opens up another range of wireless services. The possibilities are endless.

So **m-commerce** and e-commerce will meet in the very near future. What the new letter will...

...mobile computers you may not have considered before and watch your business grow into the **m-commerce** future.

Beverage industry veteran Max Landman is senior director of sales and marketing of logistics...

**20/3,K/39 (Item 4 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2006 The Gale Group. All rts. reserv.

07781787 Supplier Number: 64456865 (USE FORMAT 7 FOR FULLTEXT)  
**SERVICE PLATFORM DELIVERS DEEPER CUSTOMER RELATIONSHIPS, REVENUE. (Company Business and Marketing)**  
Electronic Commerce News, v5, n33, pNA  
August 21, 2000  
Language: English Record Type: Fulltext  
Document Type: Newsletter; General  
Word Count: 499

... owns the valuable relationship with that subscriber or spend considerable time and resources to develop **mobile commerce** offerings in-house and continue to invest money in updating that offering to prevent customers...

...advanced by the service platform. He says carriers can instantly roll out a suite of **mobile commerce** services under their own brand, including services that allow users to find local merchants; comparison shop by entering or **scanning** a **UPC** code, part number, **barcode** or **ISBN**; receive electronic promotions and coupons relevant within the context of where a user is and the products and services they are looking for; and make purchases directly from **wireless devices** via single-click purchasing and electronic wallet services.

"Because these services are rolled out under...

**20/3,K/40 (Item 5 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
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07738055 Supplier Number: 64147172 (USE FORMAT 7 FOR FULLTEXT)  
**WHY YOU MUST ATTEND ... Internet Telecom EXPO. (Internet Telecom Expo) (Industry Trend or Event)**  
Jainschigg, John

Computer Telephony, v8, n8, p79  
August, 2000  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 3029

... about wireless application protocol (WAP)? It lets you build tiny little "websites" for viewing through **cell phones** and handhelds. But WAP (and its analogues) are just part of the **mobile commerce** story. Who says **m-commerce** depends on "tiny little websites?" New functional and buying paradigms are showing up in "**m-commerce**" every day. Super example: Symbol Technologies, Motorola, and Ericsson are using **barcode scanners** in **cell phones** to enable "swipe to buy" apps -- i.e., see the ad, swipe the **barcode**, buy the product. Does that have "symphony of turnstiles" written all over it, or what?

Someday, soon, your CEO is going to ask you to build, buy, or rent an **m-commerce** "swipe to buy" app. Know how?

FACE THE CHALLENGE

These are the challenges that are...

20/3, K/41 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2006 The Gale Group. All rts. reserv.

12750954 SUPPLIER NUMBER: 66582707 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Scanning the horizon.(Symbol Technologies' bar code technology)**  
Institutional Investor International Edition, 25, 10, 32  
Oct, 2000  
ISSN: 0192-5660 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1601 LINE COUNT: 00123

... LM Ericsson. Users of wireless phones, television set-top boxes and personal digital assistants, or **PDAs**, would be able to **scan** codes from newspaper or TV ads, for example, and be connected to Internet sites to...

...traditional businesses that find it hard enough to adapt to e-commerce may not be **ready** to embrace Symbol's vision of **m-commerce**.

Razmilovic, who had been chief operating officer before succeeding Symbol founder Jerome Swartz as CEO...

...codes in mobile commerce internally before the Internet, but now it's really possible, with **wireless phones** having Internet access.

How do you envision **m-commerce** working in practice?

Wherever you are, your cellular phone or PDA will have a small scanning device so that you can scan **bar codes** from newspaper advertisements, from TV screens. You can enter the **bar code** on the Web, and it will take you right to the site where that product can be purchased.

How pervasive could **m-commerce** become?

I don't believe it will be a niche, but I also don't...

Set	Items	Description
S1	3365	COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT OR TRANSFER? OR RELAY?
S2	323	CONFIRMATION? OR BAR()CODE? OR BARCODE? OR (TRANSACTION OR MERCANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV- ERSAL() PRODUCT() CODE? OR UPC OR STOCK() KEEPING() UNIT? OR SKU
S3	1920	(CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR- ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL() DIGITAL() ASSISTANT? OR BLACK() BERR? OR BLAC- KBERR? OR PA
S4	3691	SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI- CAL (1W) READER
S5	1934	FULFILLMENT() SYSTEM OR OFFERING() ENTIT? OR MERCHANT? ? OR - RETAILER? OR SELLER? OR STORE OR STORES
S6	28	S2 AND S3 AND S4
S7	2	S6 AND S5
S8	9	S6 AND (S5 OR S1)

File 256:TecInfoSource 82-2006/Jun  
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**8/3,K/1**

DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00157825 DOCUMENT TYPE: Review

PRODUCT NAMES: XML (Extensible Markup Language) (837709); VOware (Virtual Officeware) (819385); RIA (Rich Internet Applications) (819279)

**TITLE:** The Momentary Enterprise

AUTHOR: Webster, John  
SOURCE: WebServices Journal, v5 n10 p36(3) Oct 2005  
HOMEPAGE: <http://www.wsj2.com>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

REVISION DATE: 20060400

...worker efficiency. A jmomentary enterprisek can be created to enhance such usage. For instance, hybrid **personal digital assistants** (PDAs /personal communicators) combine cellphones, e-mail, and instant messaging (IM) abilities in one device. Hybrid **PDAs** have three significant features for momentary enterprise users: use of the cellphone anywhere, an architecture...

...sharing when away from a computer desktop. An example is the NTT DoCoMo cellphone that **sends** and receives e-mail, allows online game-playing, provides iMode Web site accessibility, provides digital photography, records sound, **reads barcodes**, and makes phone calls. XML formatting give users a jnearly universal method for describing the...

**8/3,K/2**

DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00155644 DOCUMENT TYPE: Review

PRODUCT NAMES: Network Security (813091); X.509 (839434)

**TITLE:** Wireless Security And Management

AUTHOR: Sharp, Kevin R  
SOURCE: Supply Chain Systems Magazine, v25 n4 p32(3) Apr 2005  
ISSN: 0892-676X  
HOMEPAGE: <http://www.scs-mag.com>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

REVISION DATE: 20060100

...key to secure data management. Authorization and data security is more difficult to assure when **mobile devices** are employed, though the legal requirements are no less stringent. Critical data can easily be replicated by copying it to CDs and thumb drives; it can also be **transferred** via Bluetooth technology. Fortress, a **wireless** security **device** supplier, offers customers a variety of secure laptop, Pocket PC, and DOS **bar code scanning** devices. Most devices continue to employ digital certificates to authenticate users, devices, and network connections...

**8/3,K/3**

DIALOG(R)File 256:TecInfoSource  
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00154004 DOCUMENT TYPE: Review

**PRODUCT NAMES: Bluetooth (841455); Microsoft Windows Mobile 2003 (178098)**

**TITLE: Bluetooth Brings a Smile to Mobile GIS Users**

AUTHOR: Bisio, Ron  
SOURCE: GeoWorld, v17 n8 p24(2) Aug 2004  
ISSN: 0897-5507  
HOMEPAGE: <http://www.geoplace.com/gw/>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

REVISION DATE: 20060100

...office. Bluetooth is a standardized solution for economical, short-range wireless communication among two or **mobile devices**. Bluetooth uses the unlicensed 2.4GHz radio frequency rather than a cable to **transfer** data at 720Kbps over a distance as large as 100 meters. Part of Bluetooth versatility...

...software for PocketPCs. In early 2004, over 1,400 Bluetooth-compatible products were available, including **personal digital assistants** (PDAs), music devices, games, household appliances, and global positioning system (GPS) receivers. Some of the most...

...technology in mobile GIS are linking of integrated handheld GPS devices with laser range finders, **barcode readers**, and differential correction units or dial up on a **mobile phone** connection to communicate with an enterprise computer database at the office. Bluetooth also allows users...

...to field work. For instance, they can wirelessly connect a portable GPS unit to a **cell phone** and dial up a local Virtual Reference Station. This provides a simple and low cost...

**8/3,K/4**

DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00148282 DOCUMENT TYPE: Review

**PRODUCT NAMES: Crystallography (805254); Liquid Handling (801976)**

**TITLE: Liquid Handling for Crystallography**

AUTHOR: Dickey, Chris  
SOURCE: Genomics & Proteomics, v3 n6 p23(2) Jul/Aug 2003  
ISSN: 1536-7495  
HOMEPAGE: <http://www.genpromag.com>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20031130

...discuss liquid handling for crystallography with advanced robots that can increase throughput with automated fluid **transfer**. Many of the robots can cost around \$500,000, which has some researchers concerned about...

...Wladek Minor of the University of Virginia says has created a system based on a **personal digital assistant** ( **PDA** ) linked to a computer that holds recipes for most widely used protein crystallization screens, with...

...via a wireless LAN ( WLAN ). A technician can mix the stock screen solutions with a **barcode scanner** , pipettes, and a scale. The **PDA** computes molarity and concentrations of the solution and tells the technician when to add more...

**8/3,K/5**

DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00147338 DOCUMENT TYPE: Review

**PRODUCT NAMES: Palm OS (608751); Microsoft Windows CE (633119)**

**TITLE: Chemistry Databases in the Palm of Your Hand: New Palm and Pocket...**

**AUTHOR: Williams, Antony**  
**SOURCE: Scientific Computing & Instrumentat, v20 n7 p18(2) Jun 2003**  
**ISSN: 0891-9003**  
**HOMEPAGE: <http://www.scimag.com>**

**FILE SEGMENT: Review**

**RECORD TYPE: Product Analysis**

**GRADE: Product Analysis, No Rating**

**REVISION DATE: 20031030**

...handhelds have utilities that are very useful in the scientific laboratory. For instance, integration of **personal digital assistants** ( **PDAs** ) using wireless technology permits a molecule to be drawn on a Pocket PC device running...

...run calculations, and after the calculation, results are returned to the Pocket device for viewing. **PDA** devices are also **communicating** with lab instruments, including lab meters and balances. CE-Wedge, a very straightforward data collection product, is for interfacing simple serial devices, such as **barcode scanners** and micrometers, among others, to any Windows CE program. Users can enter instrument data directly...

**8/3,K/6**

DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00142915 DOCUMENT TYPE: Review

**PRODUCT NAMES: Trucking (833274); Mobile Commerce (843784)**

**TITLE: The wireless road taken: Trucking industry CTOs are adopting a new...**

**AUTHOR: McCarthy, Jack**

SOURCE: InfoWorld, v24 n47 p38(2) Nov 25, 2002  
ISSN: 0199-6649  
HOMEPAGE: <http://www.infoworld.com>

FILE SEGMENT: Review  
RECORD TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

CTOs at long- and short-haul trucking companies say they have successfully justified investment in **wireless devices** based on easily quantified return on investment (ROI). The investment, says a spokesperson for one... ...is recouped by merely obtaining several more miles per day that generate revenue, or by **sending** out a few more loads per month. Trucking companies are logistics companies, and they are...

...tracking system. FedEx Freight, Airborne Express, and Waste Management are working apace to implement new **wireless devices** that let drivers make decisions and distribute information. For example, FedEx Freight drivers now have RIM pagers to **send** and receive information on pickups and deliveries. The company will also soon deploy a Pocket PC device that could merge **barcode scanning** ability with a color screen and data transmission.

**8/3,K/7**  
DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

00141987 DOCUMENT TYPE: Review

**PRODUCT NAMES: 802.11b (845426); 802.11a (845124); Bluetooth (841455)**

**TITLE: Tough Enough for the Big Time:...ruggedized PCs and handhelds are...**  
AUTHOR: Essex, David  
SOURCE: Supply Chain Systems Magazine, v22 n9 p12(8) Sep 2002  
ISSN: 0892-676X  
HOMEPAGE: <http://www.scs-mag.com>

FILE SEGMENT: Review  
RECORD TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

IEEE's 802.11a and 802.11b and Bluetooth SIG's Bluetooth **transmit** data back and forth between users of ruggedized PCs and handhelds used by loading dock...  
...result in greatly reduced hardware costs and ease asset management by uniting separate devices, including **barcode scanners**, **cellular phones**, and notebook PCs. For instance, truck drivers for a beverage vendor now use 600MHz tablet...

**8/3,K/8**  
DIALOG(R)File 256:TecInfoSource  
(c) 2006 Info.Sources Inc. All rts. reserv.

EIC 3600

Dialog Search

00140993

DOCUMENT TYPE: Review

PRODUCT NAMES: HAHT Commerce Suite (100706); iWork ADC (030236); BPCS 6.1.0.1 (016442)

**TITLE: Choosing the Right Mobile Apps: Manufacturers are making the most...**

AUTHOR: Kodama, David

SOURCE: Managing Automation, v17 n7 p26(2) Jul 2002

ISSN: 0089-3805

HOME PAGE: <http://www.managingautomation.com>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20040228

...connected and disconnected modes. Consulting groups are also emphasizing delivery of back-office data to **mobile devices** through wireless or synchronization via **personal digital assistants (PDAs)** and public data networks. For instance, Celanese Chemicals chose the iPAQ **PDA** and HAHT Commerce Suite to make information available from a parallel Web site with pages...

...PAVECA uses Automated Data Collection and Integration Suite and the HP Jornada 720 Pocket PC **PDA** to gather data and automatically, in real time, for information delivery to salespeople. TaylorMade- adidas Golf provides supplier collaboration in real time via the Internet and helps customers manage **in-store** inventory with a handheld computer from Symbol Technologies that uses the Palm operating system and includes a built-in **UPC barcode reader**. It also runs i2's Mobile Solution field sales software.

8/3,K/9

DIALOG(R)File 256:TecInfoSource

(c) 2006 Info.Sources Inc. All rts. reserv.

00140236

DOCUMENT TYPE: Review

PRODUCT NAMES: VoxView (118249)

**TITLE: Retailers embrace speech-based systems**

AUTHOR: Staff

SOURCE: Frontline Solutions, v3 n6 p51(2) Jun 2002

ISSN: 0890-9768

HOME PAGE: <http://www.frontline.com>

FILE SEGMENT: Review

RECORD TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030830

**TITLE: Retailers embrace speech-based systems**

...systems, are highlighted in a discussion of the increasing use of speech-based systems by **retailers**. For instance, Somerfield, a grocer in the United Kingdom, is deploying speech recognition technology in...

...order accuracy and increased visibility to distributed operations, which will greatly improve service levels to **stores** . The Voxware VoiceLogistics system will be deployed for picking operations in some areas, and also for put-to- **store** operations with catchweights. Speech-based logistics systems generally include a **wireless** , wearable **device** with a headset, through which workers direct picking packing or putaway processes. Workers say serial numbers, quantities, and queries out loud, rather than **scanning barcodes** . Speech-based logistics tools are often used in areas where workers need both hands free...

DESCRIPTORS: AutoID; Order Fulfillment; **Retailers** ; Speech Recognition

Set        Items        Description

S1        4473538        COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT  
OR TRANSFER? OR RELAY?

S2        170154        CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR  
MERCANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV-  
ERSAL()PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU

S3        388263        (CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR-  
ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER?  
? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR  
PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC-  
KBERR? OR PA

S4        4977622        SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI-  
CAL(1W)READER

S5        2822788        FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR -  
RETAILER? OR SELLER? OR STORE OR STORES

S6        27        S1(5N)S2(5N)S3

S7        9        S6(2S)S4

S8        9        RD (unique items)

? show files

File 47:Gale Group Magazine DB(TM) 1959-2006/May 22  
(c) 2006 The Gale group

File 570:Gale Group MARS(R) 1984-2006/May 19  
(c) 2006 The Gale Group

File 635:Business Dateline(R) 1985-2006/May 19  
(c) 2006 ProQuest Info&Learning

File 476:Financial Times Fulltext 1982-2006/May 23  
(c) 2006 Financial Times Ltd

File 477:Irish Times 1999-2006/May 22  
(c) 2006 Irish Times

File 710:Times/Sun.Times(London) Jun 1988-2006/May 22  
(c) 2006 Times Newspapers

File 711:Independent(London) Sep 1988-2006/May 22  
(c) 2006 Newspaper Publ. PLC

File 756:Daily/Sunday Telegraph 2000-2006/May 22  
(c) 2006 Telegraph Group

File 757:Mirror Publications/Independent Newspapers 2000-2006/May 22  
(c) 2006

File 387:The Denver Post 1994-2006/May 19  
(c) 2006 Denver Post

File 471:New York Times Fulltext 1980-2006/May 22  
(c) 2006 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2006/May 21  
(c) 2006 St Louis Post-Dispatch

File 631:Boston Globe 1980-2006/May 19  
(c) 2006 Boston Globe

File 633:Phil.Inquirer 1983-2006/May 18  
(c) 2006 Philadelphia Newspapers Inc

File 638:Newsday/New York Newsday 1987-2006/May 20  
(c) 2006 Newsday Inc.

File 640:San Francisco Chronicle 1988-2006/May 21  
(c) 2006 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2006/May 22  
(c) 2006 Scripps Howard News

File 702:Miami Herald 1983-2006/May 19  
(c) 2006 The Miami Herald Publishing Co.

File 703:USA Today 1989-2006/May 19  
(c) 2006 USA Today

File 704:(Portland)The Oregonian 1989-2006/May 21  
(c) 2006 The Oregonian

File 713:Atlanta J/Const. 1989-2006/May 21  
(c) 2006 Atlanta Newspapers

File 714:(Baltimore) The Sun 1990-2006/May 22  
(c) 2006 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2006/May 22  
(c) 2006 Christian Science Monitor

File 725:(Cleveland) Plain Dealer Aug 1991-2006/May 21  
(c) 2006 The Plain Dealer

File 735:St. Petersburg Times 1989- 2006/May 21  
(c) 2006 St. Petersburg Times

**8/3,K/1 (Item 1 from file: 570)**  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2006 The Gale Group. All rts. reserv.

02409336 Supplier Number: 114919998 (USE FORMAT 7 FOR FULLTEXT)

**Phones get set for money off.(News)(ICoupon )(Brief Article)**

Grocer, v227, n7643, p5(1)

Feb 28, 2004

ISSN: ISSN: 0017-4351

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 245

... chain Jacksons kicking off testing at its Doncaster store next week.

Running on the EPoS scanning system, consumers will be sent barcoded coupons to their mobile phones for money off a list of products. Once at the checkout, they will simply hand over their phone for scanning to claim a rebate.

Marc Lewis, founder of ICoupon, which has filed patents for its...

**8/3,K/2 (Item 1 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

2276844 119876091

**Westvaco Brand Security Names Kurt H. Mather Global Security Technical Service Manager**

Anonymous

PR Newswire p1

May 16, 2002

WORD COUNT: 606

DATELINE: Stamford Connecticut

TEXT:

...from original products instantly through package inspection; substrates with imbedded security features; reactive and machine- readable security inks; intaglio printing of labels, seals, certificates, and/or registration cards; and optically variable...

...WBS also offers specialized track and trace services, in which captured data from specially marked bar codes are encrypted and transferred via a cellular phone or the Internet to a central database, instantly verifying product authenticity.

As a single-source...

**8/3,K/3 (Item 2 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
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2266063 113903975

**JADAK knows the code to unlock success**

Dickinson, Casey J

Business Journal - Central New York v16n14 p12

Apr 5, 2002

WORD COUNT: 703

DATELINE: Syracuse New York

TEXT:

...Dolphin 7400 hand-held computer uses Microsoft's Windows CE operating system and can wirelessly **transmit scanned bar codes**.

"The Dolphin is like a **Palm Pilot** multiplied many times," says Schultz.

Modem **bar codes** originated with Bernard Silver, a graduate student at Drexel University in the late 1940s. Silver...

...a patent application in 1949 for their early bar code. The code predated any automatic **reading** device, but the inventors believed the technology would emerge later. In the 1950s, while working at IBM, Woodland and Silver tested the first **reader** in the living room of a Binghamton home. The men received a patent for their...

...of Silver and Woodland's patent, as well as the development of laser bar-code **readers**, several companies began working on new systems in the 1970s. The work would culminate in...

...Schultz. JADAK has developed bar-coding systems that allow companies to track shipments using wireless **readers**. Shipping-department workers can **scan** bar-coded outgoing packages and wirelessly transmit the information to the company computer. The process...

**8/3,K/4 (Item 3 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

2250652 109930365

**Westvaco Brand Security Names Adrian Simmons Manager, Security Systems Europe**

Anonymous  
Business Wire pl  
Feb 28, 2002  
WORD COUNT: 519  
DATELINE: Stamford Connecticut

TEXT:

...security design for printed materials and packaging; substrates with imbedded security features; reactive and machine- **readable** security inks; intaglio printing of labels, seals, certificates, and/or registration cards; and optically variable...

...WBS also offers specialized track and trace services, in which captured data from specially marked **bar codes** are encrypted and **transferred** via a **cellular phone** or the Internet to a central database, instantly verifying product authenticity.

As a single-source...

**8/3,K/5 (Item 4 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

0122690 90-05346

**Defense Cuts Bomb ELMG Profits**

Jenks, Alan

Atlanta Business Chronicle (Atlanta, GA, US), V12 N33 s1 p3A

PUBL DATE: 900115

WORD COUNT: 810

DATELINE: Norcross, GA, US

TEXT:

...manufacturing and warehouse facilities where a forklift truck operator or other employee can use a **portable** computer **terminal** to **scan barcode** information that is immediately **transmitted** to a central computer.

The trend of manufacturers keeping a closer watch on inventories and...

**8/3,K/6 (Item 1 from file: 476)**

DIALOG(R)File 476:Financial Times Fulltext

(c) 2006 Financial Times Ltd. All rts. reserv.

0011520710 A200311267AE-147-FT

**FT UNDERSTANDING - Understanding Supply Chain Execution: Barcodes -**  
**Teaching an old technology new tricks Barcodes should not be consigned to supply chain history just yet, says Mark Vernon. Despite powerful competing technologies, they have plenty left to offer**

MARK VERNON

Financial Times, Surveys UND ED, P 10

Wednesday, November 26, 2003

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

SECTION HEADING: FT UNDERSTANDING - Understanding Supply Chain Execution

Word Count: 1,047

...solution, developed by Mobiqa. Customers who purchased tickets from a booking website would receive a **barcode** image **sent** as a picture message on their **mobile phone**. This **barcode** could then be **read** with a standard **scanner** upon entry to the event.

These "virtual barcodes" capitalise upon the prevalence of mobile phones...

**8/3,K/7 (Item 1 from file: 471)**

DIALOG(R)File 471:New York Times Fulltext

(c) 2006 The New York Times. All rts. reserv.

04134711 NYT Sequence Number: 297615010722 (USE FORMAT 7 FOR FULLTEXT)

**TRAVEL ADVISORY; New Cell Phone Trick: It's a Boarding Pass**

DAVID CAY JOHNSTON

New York Times, Late Edition - Final ED, COL 04, P 3

Sunday July 22 2001

DOCUMENT TYPE: Newspaper LANGUAGE: English RECORD TYPE: Fulltext

SECTION HEADING: SECT5

Word Count: 271

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...their reservations and answer questions about identity and baggage; then an electronic image of a **bar code** will be **transmitted** to the

**cell phone** . That **bar code** will act as a boarding pass at the airport when a passenger waves his cell phone in front of a **scanner**.

8/3,K/8 (Item 1 from file: 638)  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2006 Newsday Inc. All rts. reserv.

10719064  
**TECHNOLOGY / Symbol Hopes Its Technology Won't Get Zapped by the 'Cat'**  
Newsday (ND) - Sunday August 6, 2000  
By: PRADNYA JOSHI  
Edition: ALL EDITIONS Section: BUSINESS Page: C05  
Word Count: 996

TEXT:

...Inc. and others to make cell phones and other devices with built-in bar-code **scanners** . Consumers could use these devices to **zap** bar codes on everything from soup cans to automobile ads, and then have a cell...

...one of its current partners).  
The device plugs into a computer's keyboard and can **read** specially marked "cue codes" as well as traditional bar codes, UPC symbols on products and ISBN codes on books. DigitalConvergence is using an LED (light emitting diode) **optical reader** , which is a type of input method different from the laser-based bar-code- **scanning** technology that has been a staple at Symbol.  
On Aug. 21, Forbes will mail out...

...editions of Forbes in the future will be encoded with cue codes that will jump **readers** to the Internet Web pages containing more information on those articles or products.  
Starting this...

...to swipe the device over the cue code, sometimes several times, before the link is **read** . Bar-code **scanners** , Symbol executives say, are stationary and much more intuitive to use.  
"We think that's..."

...won the war at retail," where Symbol systems are leaders. In addition, products like the **bar - code cell phone** are two-way devices that can " **send** " personalized information to the user rather than waiting for user input, Sanders said.  
DigitalConvergence will...

...to the consumer. Initial launch of the bar-code cell phone will likely not be **ready** until spring of next year.  
"This is not something we're just talking about doing..."

...to offer, said Kaiser, who is also a senior vice president.  
"You have to give **readers** real added value," he said. "There has to be something special happening. You can't..."

**8/3,K/9 (Item 1 from file: 713)**  
DIALOG(R)File 713:Atlanta J/Const.  
(c) 2006 Atlanta Newspapers. All rts. reserv.

10171079

**Y2K - THE COUNTDOWN THIS IS A WEEKLY REPORT BY CONSTITUTION EDITORIAL  
WRITER MARILYN GEEWAX ON ISSUES RAISED BY THE COMING OF 2000. GREENSPAN'S  
GLOOM WON'T ASSURE DOOM**  
Atlanta Journal-CONSTITUTION (AJ-CONSTITUTION) - Sunday, June 20, 1999  
By: Marilyn Geewax; Staff  
Edition: Home Section: Perspective Page: H2  
Document Type: Column  
Word Count: 628

... and 1980s. Most economists think this boost is the byproduct of new equipment such as **bar - code scanners**, **cellular phones**, hand-held computers that **transmit** package-tracking information and other sophisticated tools.

When it comes to productivity in the next...

Set	Items	Description
S1	4473538	COMMUNICATING OR COMMUNICATED OR TRANSMIT? OR SEND? OR SENT OR TRANSFER? OR RELAY?
S2	170154	CONFIRMATION? OR BARCODE? OR BAR()CODE? OR (TRANSACTION OR MERCANDISE OR PRODUCT) (1W) (CODE OR CODES OR NUMBER?) OR UNIV- ERSAL() PRODUCT()CODE? OR UPC OR STOCK()KEEPING()UNIT? OR SKU
S3	388263	(CELL OR CELLULAR OR CORDLESS OR MOBILE OR PORTABLE OR WIR- ELESS) (2W) (APPARATUS? OR DEVICE? ? OR EQUIPMENT OR ORGANIZER? ? OR TERMINAL? ? OR FONE? OR PHONE? ? OR TELEPHON?) OR PDA OR PDAS OR PERSONAL()DIGITAL()ASSISTANT? OR BLACK()BERR? OR BLAC- KBERR? OR PA
S4	4977622	SCAN? ? OR SCANN? OR READ? OR ZAP OR ZAPS OR WAND? OR OPTI- CAL(1W)READER
S5	2822788	FULFILLMENT()SYSTEM OR OFFERING()ENTIT? OR MERCHANT? ? OR - RETAILER? OR SELLER? OR STORE OR STORES
S6	27	S1(5N)S2(5N)S3
S7	9	S6(2S)S4
S8	9	RD (unique items)
S9	19513	(MOBILE OR M OR WIRELESS) (1W) (COMMERCE OR ECOMMERCE OR E() - COMMERCE OR BUSINESS OR PAYMENT? OR SETTL?) OR MCOMMERCE
S10	577	S2(S)S3(S)S4
S11	42	S10 AND S9
S12	42	RD (unique items)
S13	14	S12 NOT PY>2000
File	47:Gale Group Magazine DB(TM)	1959-2006/May 22 (c) 2006 The Gale group
File	570:Gale Group MARS(R)	1984-2006/May 19 (c) 2006 The Gale Group
File	635:Business Dateline(R)	1985-2006/May 19 (c) 2006 ProQuest Info&Learning
File	476:Financial Times Fulltext	1982-2006/May 23 (c) 2006 Financial Times Ltd
File	477:Irish Times	1999-2006/May 22 (c) 2006 Irish Times
File	710:Times/Sun.Times(London)	Jun 1988-2006/May 22 (c) 2006 Times Newspapers
File	711:Independent(London)	Sep 1988-2006/May 22 (c) 2006 Newspaper Publ. PLC
File	756:Daily/Sunday Telegraph	2000-2006/May 22 (c) 2006 Telegraph Group
File	757:Mirror Publications/Independent Newspapers	2000-2006/May 22 (c) 2006
File	387:The Denver Post	1994-2006/May 19 (c) 2006 Denver Post
File	471:New York Times Fulltext	1980-2006/May 22 (c) 2006 The New York Times
File	492:Arizona Repub/Phoenix Gaz	19862002/Jan 06 (c) 2002 Phoenix Newspapers
File	494:St LouisPost-Dispatch	1988-2006/May 21 (c) 2006 St Louis Post-Dispatch
File	631:Boston Globe	1980-2006/May 19 (c) 2006 Boston Globe
File	633:Phil.Inquirer	1983-2006/May 18 (c) 2006 Philadelphia Newspapers Inc
File	638:Newsday/New York Newsday	1987-2006/May 20 (c) 2006 Newsday Inc.
File	640:San Francisco Chronicle	1988-2006/May 21 (c) 2006 Chronicle Publ. Co.
File	641:Rocky Mountain News	Jun 1989-2006/May 22 (c) 2006 Scripps Howard News
File	702:Miami Herald	1983-2006/May 19

(c) 2006 The Miami Herald Publishing Co.  
File 703:USA Today 1989-2006/May 19  
(c) 2006 USA Today  
File 704:(Portland)The Oregonian 1989-2006/May 21  
(c) 2006 The Oregonian  
File 713:Atlanta J/Const. 1989-2006/May 21  
(c) 2006 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2006/May 22  
(c) 2006 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2006/May 22  
(c) 2006 Christian Science Monitor  
File 725:(Cleveland)Plain Dealer Aug 1991-2006/May 21  
(c) 2006 The Plain Dealer  
File 735:St. Petersburg Times 1989- 2006/May 21  
(c) 2006 St. Petersburg Times

13/3,K/1 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2006 The Gale group. All rts. reserv.

05796926 SUPPLIER NUMBER: 62241349 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Wireless services targeting shoppers - New offerings for handhelds could catalyze a slowly growing audience. (Company Business and Marketing)**  
Callaghan, Dennis  
eWeek, 59  
May 22, 2000  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 476 LINE COUNT: 00041

## TEXT:

...but that hasn't stopped several business-to-consumer players from rolling out early **mobile commerce** offerings.  
... such as the model number, part number, bar code, ISBN or product name-or even **scan** in a UPC code to find a product. But shoppers can also compare prices and purchase products with a single click via **wireless phones**, Windows CE or Palm OS devices, or two-way pagers, as well as land-line...

13/3,K/2 (Item 2 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2006 The Gale group. All rts. reserv.

05108863 SUPPLIER NUMBER: 20466388 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Wireless PBXes Make Connections; Some companies free employees by abandoning traditional wired machinery. (Technology Information)**  
Korzeniowski, Paul  
PC Week, v15, n14, p87(1)  
April 6, 1998  
ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 1245 LINE COUNT: 00103

...ABSTRACT: where there are many mobile employees. Crate and Barrel has rolled out Lucent Technologies' Definity **Wireless Business System**, a product it chose for its smooth integration of wired and wireless connections. Affinity...

... for proposals to a dozen PBX suppliers, examined the vendors' equipment and selected the Definity **Wireless Business System** from Lucent Technologies Inc., of Murray Hill, N.J. Michael Steiner, the operations manager...

...PBX, so no training would be needed.

In addition, she said she found the Definity **Wireless Business System** easy to administer and felt confident Lucent would continue to supply PBXes in the...

...Frost & Sullivan's Shah.

The Federal Communications Commission divides wireless bandwidth among many technologies, including **bar - code readers**, **cellular telephones**, garage door openers and microwave ovens.

Until 1997, PBX vendors' only option was building devices...

13/3,K/3 (Item 3 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2006 The Gale group. All rts. reserv.

04164809      SUPPLIER NUMBER: 15920918      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Tracking all trucks. (mobile communication systems for vehicle fleets)**  
Candler, Julie  
Nation's Business, v82, n12, p60(3)  
Dec, 1994  
ISSN: 0028-047X      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1890      LINE COUNT: 00148

... consumer demands for just-in-time deliveries and fast service calls.

Most activity within the **mobile** -communications **business** appears to involve ever-improving cellular systems. They are progressing from relying on analog data...

...are outfitted with a version of Ameritech's wireless data service; each truck has a **bar - code** scanner and a printer instead of a keyboard or a screen, and it also has a **cellular phone**.

The system's primary use, says Tom Stedman, director of corporate transportation at Walgreen, is...

**13/3,K/4 (Item 1 from file: 570)**  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2006 The Gale Group. All rts. reserv.

01988950      Supplier Number: 66498286      (USE FORMAT 7 FOR FULLTEXT)  
**M - commerce FOR BEVERAGE WHOLESALERS.**  
Landman, Max  
Beverage Industry, v91, n9, p84  
Sept, 2000  
ISSN: 0148-6187  
Language: English      Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1596

(USE FORMAT 7 FOR FULLTEXT)  
**M - commerce FOR BEVERAGE WHOLESALERS.**  
TEXT:  
Welcome to **m - commerce**. Everyone knows about e-commerce. All companies today either claim to be or want to...  
... 14.4 Kbps for wireless data transfer. Slow speed has been an obstacle to increased **mobile commerce** use. AT&T Wireless Services and Nortel Networks Corp. will soon begin trials of technology...

...WAP enabled web sites. Motorola, Symbol Technologies, Connect Things and AirClic are jointly developing one- **scan** access to the Internet. A special **bar code** put on a product, brochure or television will contain detailed instructions for Internet access. When it is **scanned** with a one- **scan** **cell phone** or TV remote, a Web site will be automatically called and an order placed. All that's needed is one- **scan** handhelds at work to help pay for your kids clicking away with their new one- **scan** TV remote. Sometimes, the future seems pretty scary.

The transfer of B2B data through the...

...supply chain. Companies such as BevAccess already collect a retailer's orders on the Internet. **M - commerce** technologies, such as one-scan, will further facilitate e-commerce. The placement of global positioning...

...U. S. government opens up another range of wireless services. The

possibilities are endless.

So **m-commerce** and e-commerce will meet in the very near future. What the new letter will...

...mobile computers you may not have considered before and watch your business grow into the **m-commerce** future.

Beverage industry veteran Max Landman is senior director of sales and marketing of logistics...

**13/3,K/5 (Item 2 from file: 570)**  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2006 The Gale Group. All rts. reserv.

01961620 Supplier Number: 64780023 (USE FORMAT 7 FOR FULLTEXT)  
**Venturing Into The Future.**

Adler, Jane  
Credit Card Management, v13, n5, p25  
August, 2000  
ISSN: 0896-9329  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 2052

... Schaumburg, Ill.-based Motorola Inc. announced the development of technology that will allow consumers to **scan bar codes** on advertisements with devices such as **Palm Pilots**, calling into question how payments on those transactions might be processed.

It's a high...

...in Oasis Technology Ltd., a Canadian company that provides software to process electronic payments and **mobile-commerce** transactions. And last March, Visa invested in Accompany Inc., a San Francisco Internet group-purchasing...

**13/3,K/6 (Item 1 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

2099146 59784679  
**Wireless expansion spurs Tensor growth**  
Michael, Karine  
Business Journal v16n2 p12  
Sep 8, 2000  
WORD COUNT: 421  
DATELINE: Cary North Carolina

TEXT:

CARY - An aggressive move to enter the **wireless** applications **business** has spurred a Fort Worth, Texasbased computer systems integrator to open a local operation.

Tensor...

...can obtain instant product reviews through Consumers Digest's Web site by entering the products **Universal Product Code numbers** with an Internet- **ready mobile phone** .

Some of the work on the project was conducted in the Cary office, says Fred...

**13/3,K/7 (Item 2 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
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2026390 48353691  
**BarCode Holdings Limited Announces Agreement to Acquire UPCSmart.com**  
Anonymous  
PR Newswire pl  
Jan 27, 2000  
WORD COUNT: 456  
DATELINE: Mississauga Ontario Canada

TEXT:  
...PRN/ - As part of its strategy to become a leader in the next generation of **wireless e-commerce** solutions, BarCode Holdings Limited has signed a Letter of Intent agreement for the purchase of...

...the next step in e-commerce. According to Mr. Micacchi, "With more than 100 million **UPC barcodes** worldwide, what could be easier than simply **scanning** a **barcode** for product information or comparison shopping, using your **PDA** or intelligent cellphone?"

The scheduled closing date for the UPC acquisition is February 29, 2000  
...

**13/3,K/8 (Item 3 from file: 635)**  
DIALOG(R)File 635:Business Dateline(R)  
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0958724 99-21507  
Wireless business **deals new hand**  
Schill, Karin  
News & Observer-Raleigh NC (Raleigh, NC, US) pC.9  
PUBL DATE: 980704  
WORD COUNT: 994  
DATELINE: Raleigh, NC, US, South Atlantic

Wireless business **deals new hand**

TEXT:

...said. "This store probably sold 25 or 30 just last week."

Users need only a **cell phone** that's been activated through BellSouth Mobility. The activation fee is included in the first \$50 card they buy. When **ready** to use the phone, customers then call an automated system and punch in the 10-digit number on the card's **bar code**. If the card is used up, they get another one. If they don't want...

**13/3,K/9 (Item 1 from file: 387)**  
DIALOG(R)File 387:The Denver Post  
(c) 2006 Denver Post. All rts. reserv.

01036622 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Motorola roams field of change Fickle customer base a challenge**  
Jon Van, Chicago Tribune

Denver Post, MON1 ED, P E-09

Monday, July 31, 2000

DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

SECTION HEADING: BUSINESS

Word Count: 876

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...wireless communications.

One venture involves Blue Tooth, which is the standardized, industry-approved method for **wireless devices** to communicate with each other so that, for example, a **cell phone** can engage a computer printer to make a hard copy of a fax. The other venture will enable consumers to **scan barcodes** in advertisements found in magazines, newspapers or even on television with their **cell phones** or other devices to order products or get more information about them.

Shift in wireless industry

While these projects may seem somewhat far afield from Motorola's core **wireless phone business**, they really are closely tied to it. Like every telecommunications firm, Motorola must cope with...

...to delivering data.

Delivering data is important because it opens the door to so-called **mobile commerce**, or purchases made using cell phones and other wireless devices, which represents a potentially big new source of revenue for Motorola and other wireless technology companies. With **mobile commerce** projected to grow to more than \$56 billion within four years, Motorola is looking to...

...new way for consumers to research and buy products. Consumers might use existing tools like **cell phones** - or other devices yet to become available - to **scan the bar codes** and buy things from wherever they might be at any given moment.

Rud Istvan, Motorola...  
...called  
"squirters."

"You would scan a barcode with a squirter that would later find a **cell phone** or some other device it could use to squirt your information wirelessly to the company..."

13/3,K/10 (Item 1 from file: 471)  
DIALOG(R)File 471:New York Times Fulltext  
(c) 2006 The New York Times. All rts. reserv.

04010864 NYT Sequence Number: 461881000607 (USE FORMAT 7 FOR FULLTEXT)  
**ONLINE OVERSEAS; When Referring to Wireless in Europe, Use the Future Tense**  
ANDREW ROSS SORKIN  
New York Times, Late Edition - Final ED, COL 01, P 8  
Wednesday June 7 2000  
DOCUMENT TYPE: Newspaper LANGUAGE: English RECORD TYPE: Fulltext  
SECTION HEADING: SECTH  
Word Count: 991

... received the free phones that for all the hype about wireless application protocol, or WAP, " **m - commerce** " and even the buzzword mouthful, B-to-B **m - commerce** , the technology is still far from ready to attract a mass market.

"I'm just...

...the chairman and chief executive of the Autonomy Corporation, an Internet software company, said that **mobile devices** would go even one step further than the supermarket example. He is working with clients who are developing devices and software that will allow shoppers to **scan** a product's **bar code** in a store and immediately display a list of other vendors selling the same product...

...ARM Holdings, one of the leading designers of microprocessors for hand-held devices, still thinks **m - commerce** -- B-to-B or not -- is still a bit of a pipe dream. "It will..."

**13/3,K/11 (Item 1 from file: 492)**  
DIALOG(R)File 492:Arizona Repub/Phoenix Gaz  
(c) 2002 Phoenix Newspapers. All rts. reserv.

10849243

**MISSION: MOBILITY START-UP TO SELL UNIT THAT CAN SCAN ANYWHERE**  
Arizona (AR)  
) - Thursday, December 14, 2000  
By: Jonathan Sidener, The Arizona Republic  
Edition: Final Chaser Section: Business & Money Page: D1  
Word Count: 762

TEXT:

...successful Web-development site sold in June, returns backing a wireless device company entering the **mobile commerce** field.

... company, debuted Wednesday with \$14.3 million in venture funds in the bank. The young **m - commerce** company makes wireless accessories that scan bar codes, magnetic strips and smart cards.

The company...

... technology thrives or becomes the next Apple Newton remains to be seen. But right now, **m - commerce** is hot.

In this post-dot-com era, where venture capital can be hard to...  
...Ventures and RRE Ventures.

International Data Corp., a Framingham, Mass., technology consultant, predicts that consumer **m - commerce** revenue will hit \$20.8 billion in 2004 from a base of zero last year...

...or mobile scanners to track inventory and speed customer service.

FedEx, for example, uses mobile **bar code scanners** to track packages, and Hertz uses **wireless devices** to execute credit card transactions for customers returning cars.

By using the BlackBerry's off...

**13/3,K/12 (Item 2 from file: 492)**  
DIALOG(R)File 492:Arizona Repub/Phoenix Gaz

(c) 2002 Phoenix Newspapers. All rts. reserv.

10716228

**HIGH TECH AND MANUFACTURING**

Arizona (AR)

) - Thursday, August 3, 2000

Edition: Final Chaser Section: Business & Money Page: D2

Word Count: 339

...tech

Scottsdale-based Gamut Interactive has formed a partnership with Symbol Technologies to integrate their **bar code - scanning** capabilities into the Gamut **wireless e - commerce device**. Symbol's **scanning** technology will be combined with Gamut's patented photo diode technology. Gamut's technology combines television, two-way wireless, Internet and print **bar code - scanning** to enable point-and-click wireless orders.

Symbol is one of several partners, including Motorola...

**13/3,K/13 (Item 1 from file: 638)**  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2006 Newsday Inc. All rts. reserv.

10667167

**Point Cellphone at an Ad and Buy? / Symbol in venture to put bar-code scanners on phones, link to Web**

Newsday (ND) - Thursday June 15, 2000

By: Mark Harrington. STAFF WRITER

Edition: ALL EDITIONS Section: BUSINESS & TECHNOLOGY Page: A67  
Word Count: 824

TEXT:

...said it's forming a joint-venture company with Motorola Inc. and others to develop **mobile devices** that incorporate **bar - code scanners**.

The devices and a new Web-based / **bar - code** infrastructure would let consumers link directly to specific e-commerce and informational Web pages.

...said the new company's challenges include populating the market with millions of scanner-equipped **mobile devices**, and selling the concept to media and e-commerce companies that must use the new **bar - code** system to make it viable.

The companies hope to simplify the process of bringing consumers...

...with startup funding of \$500 million, is exploiting grand expectations for the emerging category of **mobile - commerce**, in which consumers use a range of portable devices to make purchases on the go ...

**13/3,K/14 (Item 1 from file: 702)**  
DIALOG(R)File 702:Miami Herald  
(c) 2006 The Miami Herald Publishing Co. All rts. reserv.

10600230

**WIRELESS INTERNET IS WAVE OF FUTURE**

Miami Herald (MH) - Sunday, April 9, 2000  
By: BEATRICE E. GARCIA bgarcia@herald.com  
Edition: Final Section: Business Page: 1E  
Word Count: 1,245

... consumers via a mobile phone, hand-held computer or pager has the folks in the **wireless business** just sizzling with ideas.

BarPoint.com, a Fort Lauderdale company, allows users to key in a product's UPC number or **scan** in its bar code and tap into the firm's extensive Internet database to obtain...

... information for millions of products. BarPoint's Web site information can be accessed via pagers, **PalmPilots** and WAP phones equipped with a microbrowser.

StarMedia Networks, the Spanish- and Portuguese-language Internet...